M.O. 207.

METEOROLOGICAL OFFICE.

HOURLY VALUES FROM AUTOGRAPHIC RECORDS:

METEOROLOGICAL SECTION,

1911.

FORMING SECTION 1 OF PART IV. OF THE BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK FOR 1911.

COMPRISING:

HOURLY READINGS from the Self-recording Meteorological Instruments at Three Observatories of the Meteorological Office.

IN CONTINUATION OF

Hourly Readings, 1900–1910; Hourly Means, 1887–1899; Hourly Readings, 1874–1886; and the Curves of the Self-recording Instruments, Quarterly Weather Report, 1869–1880.

Published by the Authority of the Meteorological Committee.

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PREFACE.

The present volume is the first of the current series of Hourly Readings of the records of self-registering instruments at the first-order stations of the Meteorological Office, and as is shown by the following summary it is the forty-third volume which has been issued by the Office giving either the records *in extenso* or the hourly five-day means derived from them.

For the years 1869 to 1880, *The Quarterly Weather Report* gave mean values of pressure and temperature for periods of five days, and for the calendar months and year; together with reproductions on a reduced scale of the continuous records yielded by each of the self-recording instruments.

For the years 1881–1886, *Hourly Readings* gave hourly measurements printed *in extenso* of pressure, temperature, wind, and rainfall, and of vapour tension calculated from the dry and wet-bulb readings; with five-day means of pressure and temperature, and monthly means of pressure, temperature and vapour tension, and totals of rainfall.

For the years 1887–1899, *Hourly Means* contained mean hourly values for each five-day period, and for the calendar months and year, for pressure, temperature, wind, rainfall, and bright sunshine. In the last three volumes of the series the hourly readings of pressure, temperature, and rainfall for Kew and for Valencia were added.

For the years 1900–1910 Hourly Readings contained hourly values of pressure, temperature, (wet and dry bulb), rainfall, sunshine and wind printed *in extenso*, for the four observatories, Valencia, Aberdeen, Falmouth, and Kew, together with mean values or totals for the hours, days, and months, and the extremes of pressure and temperature for each day.

The present series, beginning with the year 1911, gives the Hourly Readings for Valencia, Kew, and Eskdalemuir, and mean values or totals for the hours, days, and months, and the extremes of pressure and temperature for every day. Corresponding mean values for the longest period available are also given for purposes of comparison.

In 1907 and subsequently the table of wet bulb readings was omitted, and in its place a table (VII.) was added, giving the relative humidity values for each hour, calculated from the dry and wet bulb readings, and this arrangement has been continued in the present volume. Mean values of relative humidity for the twenty-five years, 1886-1910, are given at the foot of each monthly table for comparative purposes, and in the Appendix the corresponding values are given for the year.

The following is the scheme of publication of data for all the stations in the British Isles which report to the Meteorological Office :—

(*a*) Daily Weather Report, including meteorological observations for 7 a.m. and 6 p.m. at 30 stations and supplementary data from about 40 additional stations in the British Isles, together with data from 40 foreign stations, and weather charts of North-Western Europe and the Eastern Atlantic, issued daily, post free to any address in the United Kingdom for 5*s*. per official quarter.

(*b*) British Meteorological and Magnetic Year Book.

The serial statistical publications of the Meteorological Office which have been grouped together under this title are as follows :—

Part I. *Weekly Weather Report*, comprising weekly results of observations of the meteorological elements for stations and districts in the British Isles, tables of sea-temperature and earth temperature and daily synoptic charts of the North Atlantic Ocean and adjoining continents, with three Appendices and a Special Supplement of Observations of the Upper Air. Issued on Thursday of each week. Price 6*d*. per number. Annual subscription (which includes the Monthly Weather Report) 30*s*., postage paid.

Part II. *Monthly Weather Report*, with an Annual Summary. Issued as a supplement to the Weekly Weather Report on the 27th day of each month. Price 6*d*. per number.

Part III. (1) *Daily Readings* at stations of the First and Second Orders. Issued in monthly parts within about five weeks of the close of each month. Price 1*s*. each part. Annual Volume, 10*s*. 6*d*.

(2) *Geophysical Journal* of the Observatories of the Meteorological Office. Issued in monthly parts. Price 4*d*. each part. Annual Volume, 5*s*.

Part IV. (1) *Meteorological Office Observatories. Hourly Values—Meteorological Section*,—obtained from self-recording instruments at three Observatories of the Meteorological Office, and issued in monthly parts for each Observatory. Price 6*d*. each part.

(2) *Meteorological Office Observatories. Hourly Values—Geophysical Section*—Terrestrial Magnetism, Atmospheric Electricity, and Meteorology. Issued at the end of each year.

W. N. SHAW,
Director.

Meteorological Office, London, S.W.
13 November 1912.

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INTRODUCTION TO THE TABLES OF HOURLY READINGS.

The elements dealt with in the following tables are—

a. Barometric pressure.
b. Temperature of the air.
c. Humidity.
d. Velocity and direction of the wind.
e. Rainfall.
f. Sunshine.

Hourly values obtained from the records made by self-registering instruments are given for each of these elements ; and in addition, there are given means—or for Rainfall and Sunshine, totals—obtained from the hourly values for every day of the year ; and hourly means—or totals—for each calendar month and for the whole year.

Position.—The observations were made at Valencia, Kew and Eskdalemuir.

Monthly Summaries of the corresponding hourly values at Aberdeen and Falmouth are given in the second section of Part IV. of the Year Book. For convenience the tables of reduction for these observatories are included here.

——	Latitude.	Longitude.
Valencia	51° 56′ N.	10° 15′ W.
Aberdeen	57° 10′ N.	2° 6′ W.
Falmouth	50° 9′ N.	5° 4′ W.
Kew	51° 28′ N.	0° 19′ W.
Eskdalemuir	55° 19′ N.	3° 12′ W.

Time.—At each Observatory the observations are referred to Greenwich Mean Time, except as regards sunshine, for which element local apparent time is used.

Instruments.—A detailed description of the instruments used for obtaining the records is given in the Reports of the Meteorological Office for the years 1867 and 1869, but as those Reports may not now be readily accessible to everyone desiring to make use of this series of observations, it may be well to give here the following brief description of the instruments employed.

Barometer.—The record of barometric pressure is obtained photographically from a mercurial barometer.

A beam of light is passed through the space between the surface of the column of mercury and the top of the tube, and is focussed upon a sheet of sensitized paper carried upon a cylinder which is rotated by a clock. The *barogram* is therefore a photograph of this space, its depth constantly varying with the rise or fall of the mercury in the tube of the barometer.

The effect of temperature upon the height of the barometric column is compensated for by a mechanical arrangement at the top of the tube, by which the beam of light is lengthened at its upper end to the same extent as it has become shortened at its lower extremity by the expansion of the mercury in the tube. A time-scale is recorded upon the barogram by the clock cutting off the light for the space of four minutes every two hours, leaving narrow white spaces on the record corresponding to known points of time.

Every day a number of control readings of a standard barometer are taken to which the corresponding readings of the barogram are referred, and from this comparison a correction to the measurements of the curve is obtained, if required.

The scale-value of the barograms was found for each Observatory from a comparison of a long series of such standard and curve readings. The indications of a curve are converted into numerical values by measuring with a tabulating instrument, which can be read to ·001 inch, the ordinates at the points corresponding to two minutes after each hour, and converting the result into equivalent values of barometric pressure by means of the ascertained scale-value.

Thermometers.—The *thermograms* are also obtained photographically from a mercurial thermometer.

The thermometer has a large cylindrical bulb four inches long, and also a very long stem. The column of mercury in the stem is broken at a convenient point by a small air-space, which moves up or down the stem with rise or fall of temperature. The bulb of the thermometer is exposed in a large louvred screen attached to the wall of the Observatory, and the long stem is bent twice at right angles so that whilst the portion of it containing the air-speck is brought into the room in which the photographic record is obtained, the bulb itself is in the open air and at least two feet from the wall of the room. Two such thermometers are placed in the screen, one of them being used as a dry bulb and the other as a wet bulb.

Two standard thermometers, with bulbs similar to those of the thermograph, and having scale-values as nearly as possible alike, are also placed side by side in the screen, and a number of control readings are made from them every day for comparison with the corresponding readings obtained from the thermograms.

The record is obtained by passing a reflected beam of light through the air-space and photographing its image upon a moving sheet of sensitized paper, as in the case of the barometer.

The time-scale of the thermograms is made upon the curves by the clock cutting off the light for four minutes every two hours ; and the scale-value of the curve is found by a comparison of readings of the standard thermometers with the corresponding measurements of the curves.

The curves are measured by means of a plate of glass ruled with lines corresponding to the ascertained scale-value of the record both for degrees and for time, and this plate being laid upon the trace the numerical equivalent of any part of the curve can be at once found.* No correction has been applied to the readings of the photographic curve on account of differences between the tabulated values and the standard readings, except for the values from Eskdale for Jan. 1st–Mar. 15th.

The mean monthly values of these differences are less than 0·°1 A. for Kew and Valencia, but at Eskdalemuir the values are given for each month in the following tables. Values differing by more than 0·°3 A. (0·°5 F.) from the mean values of the differences are rejected as most probably due to an error in the eye-reading.

* A more detailed account of the thermograph and a discussion of some points connected with its records will be found in the preface to "Temperature Tables for the British Islands" (M.O., Official No. 154, 1902).

Mean monthly values of the differences between the tabulated and the standard readings of the dry bulb at Eskdalemuir :—

—	Standard—Curve.		Approximate Correction to Relative Humidity.
	Dry Bulb.	Wet Bulb.	
	° A.	° A.	%
January	− 0·03	− 0·01	+ 0·4
February	− 0·08	+ 0·01	+ 1·1
March	− 0·03	− 0·02	+ 0·2
April	+ 0·07	− 0·07	− 1·8
May	+ 0·08	− 0·17	− 2·9
June	+ 0·03	− 0·32	− 3·4
July	+ 0·11	− 0·28	− 3·9
August	+ 0·08	− 0·24	− 3·1
September	+ 0·07	− 0·15	− 2·4
October	− 0·02	− 0·29	− 3·1
November	− 0·11	− 0·03	+ 1·2
December	− 0·11	− 0·07	+ 0·6
Year	+ 0·01	− 0·14	− 1·4

WIND.—*Velocity and Direction.*—The records of these elements are obtained by means of a Robinson cup-anemometer, with which a Beckley windmill-vane has been combined for giving the record of direction.

The height of the cups of the anemometers above the ground are given in each monthly issue of the observations. The height of the cups above the roof of the building on which the instrument is erected is 2·1 m. at Valencia, 2·1 m. at Kew, 4·0 m. at Falmouth, 3·7 m. at Aberdeen.

Velocity.—The diameter of the cups for obtaining the velocity of the wind is 9 inches (0·23 m.) and the length of the arms upon which they are carried 2 feet (0·61 m.), so that the horizontal travel of a cup-centre when 7,000 revolutions of the cups have been made is, in round numbers, 88,000 feet (26,800 m.).

The revolutions of the cups are reduced by a suitable gearing of wheels so that this number of turns shall produce one complete turn of a spiral pencil, which makes a mark upon a sheet of metallic paper carried upon a clock-driven cylinder ; the pencil is so arranged that when the trace passes one extreme of the scale it recommences at the other.

Dr. Robinson concluded as the result of a series of experiments made by him that the rate of movement of the cup-centres was one-third of the horizontal movement of the wind current by which the cups were turned ; and as the instruments were constructed in accordance with this conclusion, the 7,000 turns of the cups mentioned above were regarded as indicating the passage of 50 miles (70·5 km.) of wind.

More recent investigations into the relation between the speed of the wind and the rate of movement of the cups have led to the conclusion that Dr. Robinson's factor, 3, is too large for anemometers of the dimensions indicated above, and that it should probably be about 2·2.

The larger factor, 3, was however employed in deducing the wind velocities published in the preceding volumes of this series up to that for 1904 ; but it was decided to substitute for it, from the beginning of the year 1905, the factor 2·2, which it is believed yields values approximating closely to the true velocity of the wind.*

* *See* The Beaufort Scale of Wind Force, M.O. Publication, No. 180, 1906.

If it is desired to compare the wind velocities given in the volumes previous to 1905 with those of the present year it will be necessary to reduce the former by four-fifteenths and convert into metres per second, which may be readily done by means of the following table.

TABLE I.

TABLE for CONVERTING MILES per HOUR obtained from the STANDARD ROBINSON ANEMOGRAPH by the **Factor 3** into METRES per SECOND corresponding with the **Factor 2·2.**

Tabulated Miles per Hour.	Metres per Second.	Tabulated Miles per Hour.	Metres per Second.	Tabulated Miles per Hour.	Metres per Second.
1	0·3	31	10·2	61	20·0
2	0·7	32	10·5	62	20·3
3	1·0	33	10·8	63	20·7
4	1·3	34	11·1	64	21·0
5	1·6	35	11·5	65	21·3
6	2·0	36	11·8	66	21·6
7	2·3	37	12·1	67	22·0
8	2·6	38	12·5	68	22·3
9	3·0	39	12·8	69	22·6
10	3·3	**40**	13·1	**70**	22·9
11	3·6	41	13·4	71	23·3
12	3·9	42	13·8	72	23·6
13	4·3	43	14·1	73	23·9
14	4·6	44	14·4	74	24·3
15	4·9	45	14·8	75	24·6
16	5·2	46	15·1	76	24·9
17	5·6	47	15·4	77	25·2
18	5·9	48	15·7	78	25·6
19	6·2	49	16·1	79	25·9
20	6·6	**50**	16·4	**80**	26·2
21	6·9	51	16·7	81	26·6
22	7·2	52	17·0	82	26·9
23	7·5	53	17·4	83	27·2
24	7·9	54	17·7	84	27·5
25	8·2	55	18·0	85	27·9
26	8·5	56	18·4	86	28·2
27	8·9	57	18·7	87	28·5
28	9·2	58	19·0	88	28·8
29	9·5	59	19·3	89	29·2
30	9·8	**60**	19·7	**90**	29·5

The observations have been given as recorded, no correction having been made for the effect of friction, which is probably of no importance except in the case of light winds, when it is doubtless different in the case of each instrument.

Values of the velocity in miles per hour may be expressed in metres per second by means of Table V.

Direction.—The direction of the wind is recorded by a similar pencil to that used for the velocity record, and it has the great advantage that the record is never lost by the pencil running off the paper.

Owing to the weight of some of its moving parts, the windmill-vane is undoubtedly sluggish in light airs, rendering its records under these conditions untrustworthy.

All wind directions have, therefore, been omitted from the tables when the velocity was less than 1·5 metres per second.

At Eskdalemuir the velocity of the wind is obtained from the records of a pressure tube anemometer. The instrument is described in the Observers' Handbook, M.O. 191.

The mean values correspond with those obtained from the standard Robinson instrument by using the factor 2·2.

The direction is not recorded.

For convenience of reference an abbreviated description of the instrument is given here. Fig. 1 shows the construction of the head of the apparatus. By means of the vane V the horizontal tube A is kept facing the wind, and the increase of pressure produced in the tube is transmitted to the inside of the float E in the recording apparatus shown in Fig. 2. The diminution of pressure produced by the wind blowing across the rows of circular holes distributed round the tube S, is transmitted to space above the float in Fig. 2. As the wind increases the float rises and its motion is recorded by the pen A on the cylinder D which rotates once in 24 hours. The float is so constructed that its displacement from the zero position is proportioned to the velocity of the wind, and the difference of pressure between the inside and the outside of the float should be given by the relation

$$W = \cdot 000731\ V^2$$

where W is in inches of water and V in miles per hour.

If w is in inches of water and v in metres per second, the relation is

$$w = \cdot 00929\ v^2.$$

If w is in millibars (1 megadyne per cm.^{2} = 1,000 millibars) and v in metres per second, the relation is

$$w = \cdot 00911\ v^2.$$

The corresponding pressure of the wind is given by

$P = \cdot 003\ V^2$ for lbs. per square foot and miles per hour,

or $p = \cdot 00719\ v^2$ for p in millibars and v in metres per second.

Thus we may infer that pressure acting above on the record will produce a recorded velocity equal to 0·89 of the true velocity of the wind, and suction alone a recorded velocity equal to 0·46 of the true velocity.

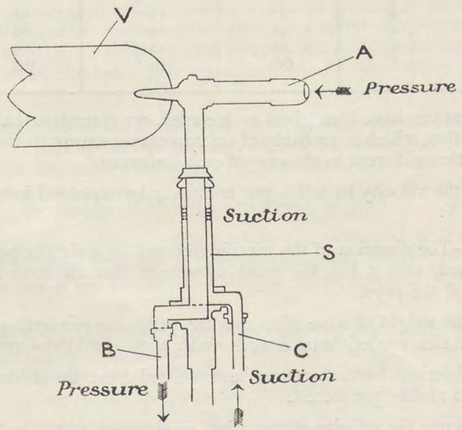

Fig. 1.—Head of Pressure Tube Anemometer.

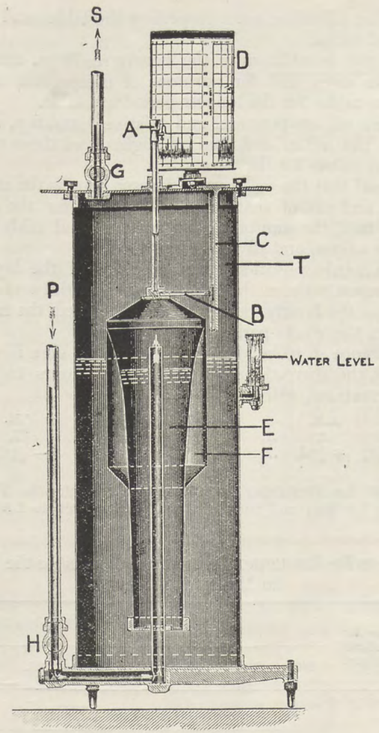

Fig. 2.—Dines's Pressure Tube Recorder.

Rainfall.—This element is recorded by a Beckley self-registering rain-gauge, in which the rain as it falls is collected in a receiver supported by a float in a vessel of mercury. As the rain enters the receiver the float sinks, carrying with it a pen which records the rate of its descent upon a paper stretched upon a clock-driven cylinder; the displacement of the mercury by the float is arranged so as to give an uniform scale throughout. When 5·1 millimetres (two-tenths of an inch) of rain have entered the receiver a siphon comes into action, and by discharging its contents causes the float to rise till the pen is brought back to the zero line, from which the record begins again.

Sunshine.—The record of sunshine is obtained from a Campbell-Stokes recorder, in which instrument the sun's rays are focussed through a four-inch spherical lens of crown glass upon a strip of blue card, which is scorched, or burned right through, according to the intensity of the sun's rays. The cards are exposed in a metal bowl, and the focussed image of the sun leaves its mark behind it as it travels along the surface of the card with the motion of the sun through the heavens. The intensity of the burn is not measured, but the record is regarded as that of "bright" sunshine whenever the card has been distinctly scorched. An allowance is, however, made in the case of intermittent burns for the extension of the trace by the charring of the card.

THE TABLES.—The following notes respecting the tables and the records themselves may probably be found useful.

All the tables supply, in addition to the hourly readings, mean values or totals for each hour and for the day; and for purposes of comparison mean values have been added at the foot of the tables for the longest period available.

The tables of pressure, temperature, and relative humidity, also give readings and mean values both for the initial and final midnights, and these readings have been used for obtaining the mean values for the days.

It has been assumed that the mean value for any hour is the mean between the values at the commencement and end of that hour. The mean for the periods of 24 hours has been found by adding half the sum of the initial and final midnights to the sum of the 23 intermediate hourly values, and dividing by 24.

In computing the hourly variations from the mean of the day, it should be assumed that the difference of value between the means for the initial and final midnights, which may be termed, so far as the hourly variations are concerned, the non-periodic variation, is equally distributed over the whole period.

Calling this difference d, to be affected by a positive sign if the final value be the greater, and *vice versâ*, the corrections for the several hours to eliminate the effect of these non-periodic fluctuations, will be—

MIDT.	A.M.			NOON.			P.M.		MIDT.
for 0 hrs.	1,	2,	...	... 12,	...	...	22,	23,	24.
$+\frac{2}{24}d$,	$+\frac{11}{24}d$,	$+\frac{10}{24}d$,	...	... 0	...	...	$-\frac{10}{24}d$,	$-\frac{11}{24}d$,	$-\frac{2}{24}d$.

TABLES of CORRECTIONS for REDUCING BAROMETER MEANS for the FIVE OBSERVATORIES TO MEAN SEA LEVEL; and for the effect of GRAVITY to LATITUDE 45°.

TABLE A.

TABLE of CORRECTIONS for REDUCING BAROMETER MEANS for the FIVE OBSERVATORIES to MEAN SEA LEVEL.

Observatory, and Height of Barometer Cistern above M.S.L.	Pressure at Station Level in Millibars.	Temperature in Absolute Degrees.									
		260.	265.	270.	275.	280.	285.	290.	295.	300.	305.
		Millibars.									
Valencia, 13·7 m.	1,040	1·87	1·84	1·80	1·77	1·74	1·71	1·68	1·65	1·62	1·60
	1,000	1·80	1·77	1·73	1·70	1·67	1·64	1·61	1·59	1·56	1·53
	960	1·73	1·70	1·66	1·63	1·60	1·58	1·55	1·52	1·50	1·47
	920	1·66	1·63	1·59	1·56	1·54	1·51	1·48	1·46	1·44	1·41
Kew, 10·4 m.	1,040	1·42	1·39	1·37	1·34	1·32	1·30	1·27	1·25	1·23	1·21
	1,000	1·37	1·34	1·32	1·29	1·27	1·25	1·23	1·21	1·19	1·17
	960	1·31	1·29	1·26	1·24	1·22	1·20	1·18	1·16	1·14	1·12
	920	1·25	1·23	1·21	1·19	1·17	1·15	1·13	1·11	1·09	1·07
Aberdeen, 26·8 m.	1,040	3·66	3·60	3·53	3·47	3·40	3·34	3·29	3·23	3·18	3·12
	1,020	3·59	3·53	3·46	3·40	3·34	3·28	3·22	3·17	3·12	3·06
	1,000	3·52	3·46	3·40	3·33	3·27	3·22	3·16	3·11	3·06	3·00
	980	3·45	3·39	3·33	3·27	3·20	3·15	3·10	3·05	2·99	2·94
	960	3·38	3·32	3·26	3·20	3·14	3·09	3·03	2·98	2·93	2·88
	940	3·31	3·25	3·19	3·13	3·08	3·02	2·97	2·92	2·87	2·82
Falmouth, 55·8 m.	1,040	7·65	7·50	7·36	7·23	7·10	6·97	6·85	6·74	6·62	6·51
	1,020	7·50	7·36	7·22	7·09	6·96	6·84	6·72	6·61	6·50	6·39
	1,000	7·35	7·21	7·08	6·95	6·82	6·70	6·59	6·48	6·37	6·26
	980	7·20	7·07	6·94	6·81	6·69	6·57	6·46	6·35	6·24	6·14
	960	7·06	6·92	6·79	6·67	6·55	6·44	6·32	6·22	6·11	6·01
	940	6·91	6·78	6·65	6·53	6·41	6·30	6·19	6·09	5·99	5·89

ESKDALEMUIR : HEIGHT of BAROMETER CISTERN above M.S.L. is 237·1 m.

Temperature in Absolute Degrees.	Pressure at Station Level in Millibars.														
	900	910	920	930	940	950	960	970	980	990	1,000	1,010	1,020	1,030	1,040
	Millibars.														
260	28·46	28·78	29·09	29·41	29·73	30·04	30·36	30·67	30·99	31·31	31·62	31·94	32·26	32·57	32·89
262	28·24	28·55	28·87	29·18	29·49	29·81	30·12	30·44	30·75	31·06	31·38	31·69	32·00	32·32	32·63
264	28·02	28·33	28·65	28·96	29·27	29·58	29·89	30·20	30·51	30·82	31·14	31·45	31·76	32·07	32·38
266	27·81	28·12	28·43	28·74	29·05	29·35	29·66	29·97	30·28	30·59	30·90	31·21	31·52	31·83	32·13
268	27·60	27·91	28·21	28·52	28·83	29·13	29·44	29·75	30·05	30·36	30·67	30·97	31·28	31·58	31·89
270	27·39	27·69	28·00	28·30	28·61	28·91	29·22	29·52	29·83	30·13	30·43	30·74	31·04	31·35	31·65
272	27·19	27·49	27·79	28·09	28·39	28·70	29·00	29·30	29·60	29·90	30·21	30·51	30·81	31·11	31·42
274	26·99	27·29	27·59	27·89	28·18	28·48	28·78	29·08	29·38	29·68	29·98	30·28	30·58	30·88	31·18
276	26·79	27·08	27·39	27·68	27·98	28·27	28·57	28·87	29·17	29·47	29·76	30·06	30·36	30·66	30·95
278	26·59	26·89	27·18	27·48	27·77	28·07	28·36	28·66	28·95	29·25	29·55	29·84	30·14	30·43	30·73
280	26·40	26·69	26·98	27·28	27·57	27·86	28·16	28·45	28·74	29·04	29·33	29·62	29·92	30·21	30·50
282	26·21	26·50	26·79	27·08	27·37	27·66	27·95	28·25	28·54	28·83	29·12	29·41	29·70	29·99	30·28
284	26·02	26·31	26·60	26·89	27·18	27·47	27·76	28·04	28·33	28·62	28·91	29·20	29·49	29·78	30·07
286	25·84	26·12	26·41	26·70	26·98	27·27	27·56	27·85	28·13	28·42	28·71	28·99	29·28	29·57	29·86
288	25·66	25·94	26·22	26·51	26·79	27·08	27·36	27·65	27·93	28·22	28·51	28·79	29·08	29·36	29·65
290	25·48	25·76	26·04	26·32	26·61	26·89	27·17	27·45	27·74	28·02	28·30	28·59	28·87	29·15	29·44
292	25·30	25·58	25·86	26·14	26·42	26·70	26·98	27·26	27·54	27·83	28·11	28·39	28·67	28·95	29·23
294	25·12	25·40	25·68	25·96	26·24	26·52	26·80	27·08	27·36	27·63	27·91	28·19	28·47	28·75	29·03
296	24·95	25·23	25·51	25·78	26·06	26·34	26·61	26·89	27·17	27·45	27·72	28·00	28·28	28·55	28·83
298	24·78	25·06	25·33	25·61	25·88	26·16	26·43	26·71	26·98	27·26	27·53	27·81	28·08	28·36	28·64
300	24·61	24·89	25·16	25·43	25·71	25·98	26·25	26·53	26·80	27·07	27·35	27·62	27·89	28·17	28·44
302	24·45	24·72	24·99	25·26	25·54	25·81	26·08	26·35	26·62	26·89	27·17	27·44	27·71	27·98	28·25
304	24·29	24·56	24·83	25·10	25·37	25·64	25·91	26·18	26·45	26·72	26·99	27·25	27·52	27·79	28·06

TABLE GIVING the CORRECTIONS to the VALUES SHOWN in TABLE A on ACCOUNT OF HUMIDITY. The CORRECTIONS are GIVEN in MILLIBARS, and are to be *subtracted* from the VALUES GIVEN in TABLE A.

Station and Temperature.		Vapour Pressure in Millibars.				
		5.	10.	15.	20.	25.
		Correction in Millibars.				
Valencia	260 ...	0·00	0·01	0·01	0·01	0·02
	300 ...	·00	·01	·01	·01	·02
Kew	260 ...	·00	·01	·01	·01	·01
	300 ...	·00	·01	·01	·01	·01
Aberdeen	260 ...	·01	·01	·02	·03	·03
	300 ...	·01	·01	·02	·02	·03
Falmouth	260 ...	·01	·03	·04	·06	·07
	280 ...	·01	·03	·04	·05	·06
	300 ...	·01	·02	·04	·05	·06
Eskdalemuir ...	260 ...	·06	·12	·18	·24	·30
	270 ...	·06	·12	·18	·23	·29
	280 ...	·06	·11	·17	·23	·28
	290 ...	·06	·11	·16	·22	·27
	300 ...	·05	·10	·16	·21	·26

Table B.

Table giving the Correction for the Variation of Gravity used in reducing the Readings of the Barograms to Units of Pressure.

Pressure.	900.	910.	920.	930.	940.	950.	960.	970.	980.	990.	1,000.	1,010.	1,020.	1,030.
	Equivalent Correction in Millibars.													
Valencia	0·56	0·57	0·57	0·58	0·58	0·59	0·60	0·60	0·61	0·61	0·62	0·63	0·63	0·64
Kew	·52	·53	·53	·54	·55	·55	·56	·56	·57	·57	·58	·59	·59	·60
Eskdalemuir ...	·82	·83	·84	·85	·86	·87	·88	·89	·89	·90	·91	·92	·93	·94
Aberdeen ...	·96	·97	·98	·99	1·00	1·01	1·02	1·04	1·05	1·06	1·07	1·08	1·09	1·10
Falmouth ...	·42	·42	·43	·43	0·44	0·44	0·44	0·45	0·45	0·46	0·46	0·47	0·47	0·48

Table I.—(*Extremes of Pressure and Temperature*).—Gives the daily extremes of pressure and of temperature for each day of the month, the extremes for the entire month being indicated by the use of Egyptian type.

Table II.—(*Pressure*).—Gives the hourly readings of pressure in bars or mega dynes per square centimetre as measured from the barograms at points corresponding to two minutes *after* each hour. The readings are reduced to 273° A. (32° Fahrenheit), and to standard gravity (Lat. 45°), but they are not corrected for the height of the station above mean sea level.

The height of the barometer above mean sea level is given under the general heading of each monthly set of tables, and the corrections required for the reduction of the readings for height above the sea are given above (Table A).

The corrections used in reducing the values to standard gravity, which form an essential part of the operation of expressing the results of the observations in true units of pressure, are added (Table B).

The mean pressure is given for each hour of the day; for each day; and for the month; and at the foot of the table the mean hourly pressure for the forty years 1871—1910 is also added.

Owing to the removal of the observatories to new sites at Falmouth in May, 1885, and at Valencia in March, 1892, the heights of the cisterns of the barometer were changed at Falmouth from 211 ft. to 183 ft., and at Valencia from 23 ft. to 45 ft. The averages for pressure printed in the monthly issues in this and previous years are the crude means of the whole series of recorded values reduced to 273° A. (32° F.). The corrections required to reduce the averages published in the issues for 1911 to true averages for the present altitudes of the stations are approximately +0·40 mb. for Falmouth and — 0·44 mb. for Valencia.

Table III.—(*Wind*).—Gives the direction and velocity of the wind as recorded by the anemometer at each hour throughout the month; and also the mean hourly velocity of the wind for each hour; for each day; and for the entire month. The mean hourly velocity for the thirty years, 1881—1910, is given at the foot of the table.

The wind direction is given for each hour in numbers to thirty-two points, but no direction is given for light airs, the velocity of which is less than 1·5 metres per second. The wind direction is that recorded by the anemometer at the exact hour, and the bearings are "true."

The hourly velocity is the travel of the cups recorded by the anemometer in the sixty minutes from half an hour before to half an hour after the hour, reduced to miles per hour by multiplication by the factor 2·2 and converted to metres per second.

At Eskdalemuir the values are obtained from the records of a pressure tube anemometer.

Table IV.—(*Rain*).—Exhibits the hourly frequency and amount of rainfall for each day, and also gives the monthly fall at each hour of the day and for the month. Amounts of snowfall, or more rarely of rain which fell at a time when the clock was not going, are necessarily omitted from the hourly columns, but are included in the daily totals of precipitation.

The average monthly fall at each hour and for the month during the forty years 1871—1910 is given at the foot of the table.

The amounts are given in millimetres, and the hourly falls are the amounts registered as having fallen in the sixty minutes from half-an-hour before to half-an-hour after each hour.

In the volumes for 1903 *et ante* the hourly falls were the amounts of rain recorded during the sixty minutes preceding the hour to which they were entered.

The heights of the gauges above the ground and above sea level are given under the heading of each set of tables.

Table V.—(*Sunshine*).—Shows for each hour of local apparent time from sunrise to sunset, and for each day of the month, the duration of bright sunshine, and also the total amount recorded at each hour during the whole month. The mean monthly total of sunshine at each hour recorded during the thirty years, 1881—1910, is given at the foot of the table.

The hourly amounts of sunshine are the amounts registered during the sixty minutes from half an hour before to half an hour after each hour.

The table below gives the total number of hours during which the sun is above the horizon at each of the five Observatories. The values differ slightly from those given in the corresponding table in previous years. They have been calculated from the values for daily duration given in the International Meteorological Tables, and correspond with the epoch 1907–1910. The monthly values undergo a slight progressive change, increasing in the first half of the year and decreasing in the second half; but the change is small. The change from 1906 to 1910 was zero near the solstices, an increase of about 3 minutes per month near the vernal equinox, and a decrease of 3 minutes per month near the autumnal equinox.

Table V. also contains a column of Remarks in which a summary of the weather for each day is given, the international weather symbols and the letters of the Beaufort Scale being used as far as possible.

These symbols and letters are as follows :—

BEAUFORT SCALE AND INTERNATIONAL WEATHER SYMBOLS.

b.		blue sky.	w.		dew.	h.	hail.
c.		clouds (detached).	x.		hoar frost.		soft hail.
o.		overcast.			ice crystals.	t.	thunder.
g.		gloom, dull appearance.		V	rime.	l	lightning.
				~	glazed frost.		thunderstorm.
u.		ugly, threatening appearance.	e.		water deposited copiously on exposed surfaces, without rain falling.		gale.
v.		visibility, unusually clear atmosphere.				q.	squalls.
							solar corona.
z.	∞	haze.	p.		passing showers.		solar halo.
m.	≡°	mist, light fog.	d.		drizzling rain.		lunar corona.
f.	≡	fog.	r.	●	rain.		lunar halo.
fe.	≡⁝	wet fog, *i.e.*, fog which deposits water copiously on exposed surfaces.	s.	✳	snow.		rainbow.
				✢	snow drift.		aurora.
				⊠	snow lying (more than half the surrounding country covered with snow).		zodiacal light.

A bar (—) under a letter indicates persistency, and a dot (.) intensity. The figure ° attached to a symbol indicates very slight, whilst the figure ² indicates strong or heavy: thus ●° = slight rain, ●² = heavy rain.

TOTAL NUMBER of HOURS during which the SUN is ABOVE the HORIZON.

MONTHS.		VALENCIA.	ABERDEEN.	FALMOUTH.	KEW.	ESKDALEMUIR.
		Hours.	Hours.	Hours.	Hours.	Hours.
January		256·5	228·2	264·3	258·6	239·3
February	28 days	275·8	261·9	279·7	276·9	267·4
	29 days	285·7	271·3	289·7	286·7	276·9
March		365·6	364·0	366·1	365·8	364·6
April		414·4	426·5	411·0	413·5	421·6
May		483·2	509·4	475·9	481·2	499·1
June		496·8	531·2	487·2	494·2	517·4
July		499·9	531·2	491·3	497·5	518·7
August		452·0	469·7	446·7	450·5	462·8
September		379·2	383·1	378·1	378·9	381·6
October		329·7	320·0	332·4	330·4	323·8
November		264·1	241·4	270·5	265·8	250·3
December		241·2	207·9	250·2	243·6	221·1
Year		4,458	4,474	4,454	4,457	4,468
Leap Year		4,468	4,484	4,464	4,467	4,477

TABLE VI.—(*Temperature*).—This table gives the temperature by the dry bulb thermometer. The readings are measurements of the thermograms in degrees absolute made at points two minutes *before* each hour, corrected for any instrumental errors, but not for height above ground. These heights are given under the heading of each monthly set of tables.

Mean hourly and daily values are given for each month, and at the foot of the table the corresponding mean values for the forty years 1871—1910 are also given.

TABLE VII.—(*Relative Humidity*).—This table exhibits the relative humidity of the air for every hour deduced from the readings of the dry and wet bulb thermometers, complete saturation being taken as 100. Mean hourly values obtained from the observations for the twenty-five years, 1886—1910, are given at the foot of each monthly table, and the corresponding means for the year are given in the Appendix.

In all cases before the means were calculated from the various hourly measurements, all breaks in the readings were filled by interpolations from the best data available. Such breaks are rare, but occur at times from failure of the photography or from stoppage of the clock, but the temperature of the wet bulb is that most frequently lost, owing to frost. Such losses can, however, usually be made good with a very near approach to accuracy.

The values of humidity at Eskdalemuir are subject to a correction on account of the errors in the tabulated values of the thermograms. The approximate mean value of this correction for each month of the year is given on p. viii.

In the tables of hourly readings, all interpolated readings have been printed in italic type.

An Appendix has been added to the volume giving for each Observatory a table showing the mean hourly values for the year for each of the elements named above. Below these is given in italic type the corresponding values obtained from the longest series of observations available.

The following tables will enable the values given in inches of mercury, degrees F., and miles per hour, to be converted into megadynes per cm.², degrees A, and metres per second.

TABLES FOR CONVERTING FROM BRITISH TO METRIC UNITS, AND *VICE VERSA*.

Table II.

Pressure.

Equivalents in megadynes per square centimetre of inches of mercury at 32° F. and 45° Latitude.

For brevity the fundamental equations may be written :—

g_{45} = 980·61 cm./sec².
density of mercury at normal freezing-point of water = 13·5956.
1 mercury-inch = 0·0338626 megadynes per cm.².
1 megadyne per cm.² = 29·5311 inches = 750·08 millimetres.
using 1 inch = 2·53995 cm.

Inches and Tenths.	0	1	2	3	4	5	6	7	8	9
	Megadynes.									
27·0	·91429	·91463	·91497	·91531	·91565	·91598	·91632	·91666	·91700	·91734
27·1	·91768	·91802	·91835	·91869	·91903	·91937	·91971	·92005	·92039	·92073
27·2	·92106	·92140	·92174	·92208	·92242	·92276	·92310	·92343	·92377	·92411
27·3	·92445	·92479	·92513	·92547	·92580	·92614	·92648	·92682	·92716	·92750
27·4	·92784	·92817	·92851	·92884	·92919	·92953	·92987	·93021	·93055	·93088
27·5	·93122	·93156	·93190	·93224	·93258	·93292	·93325	·93359	·93393	·93427
27·6	·93461	·93495	·93529	·93562	·93596	·93630	·93664	·93698	·93732	·93766
27·7	·93799	·93832	·93867	·93901	·93935	·93969	·94003	·94037	·94070	·94104
27·8	·94138	·94172	·94206	·94240	·94274	·94307	·94341	·94375	·94409	·94443
27·9	·94477	·94511	·94544	·94578	·94612	·94646	·94680	·94714	·94748	·94781
28·0	·94815	·94849	·94882	·94916	·94950	·94984	·95018	·95052	·95086	·95119
28·1	·95154	·95188	·95221	·95255	·95289	·95323	·95357	·95391	·95425	·95459
28·2	·95493	·95527	·95561	·95594	·95628	·95662	·95696	·95730	·95764	·95798
28·3	·95831	·95865	·95899	·95932	·95966	·96000	·96034	·96068	·96102	·96136
28·4	·96170	·96204	·96238	·96271	·96305	·96339	·96373	·96407	·96441	·96474
28·5	·96508	·96542	·96576	·96609	·96643	·96677	·96711	·96745	·96779	·96812
28·6	·96847	·96881	·96914	·96948	·96982	·97016	·97050	·97084	·97118	·97151
28·7	·97186	·97220	·97253	·97287	·97321	·97355	·97389	·97423	·97457	·97490
28·8	·97524	·97558	·97591	·97625	·97659	·97693	·97727	·97761	·97795	·97828
28·9	·97863	·97897	·97930	·97964	·97998	·98032	·98066	·98100	·98134	·98167
29·0	·98202	·98236	·98269	·98303	·98337	·98371	·98405	·98439	·98473	·98506
29·1	·98540	·98574	·98607	·98641	·98675	·98709	·98743	·98777	·98811	·98844
29·2	·98879	·98913	·98947	·98980	·99014	·99048	·99082	·99116	·99150	·99184
29·3	·99217	·99251	·99284	·99318	·99352	·99386	·99420	·99454	·99488	·99521
29·4	·99555	·99589	·99622	·99656	·99690	·99724	·99758	·99792	·99826	·99859
29·5	·99894	·99928	·99961	·99995	1·00029	1·00063	1·00097	1·00131	1·00165	1·00198
29·6	1·00233	1·00267	1·00300	1·00334	1·00368	1·00402	1·00436	1·00470	1·00504	1·00537
29·7	1·00572	1·00606	1·00639	1·00673	1·00707	1·00741	1·00775	1·00809	1·00843	1·00877
29·8	1·00910	1·00944	1·00977	1·01011	1·01045	1·01079	1·01113	1·01147	1·01181	1·01214
29·9	1·01249	1·01283	1·01316	1·01350	1·01384	1·01418	1·01452	1·01486	1·01520	1·01553
30·0	1·01588	1·01622	1·01655	1·01689	1·01723	1·01757	1·01791	1·01825	1·01859	1·01892
30·1	1·01926	1·01960	1·01994	1·02028	1·02062	1·02096	1·02129	1·02163	1·02197	1·02231
30·2	1·02265	1·02299	1·02333	1·02367	1·02401	1·02434	1·02468	1·02502	1·02536	1·02570
30·3	1·02604	1·02638	1·02671	1·02705	1·02739	1·02773	1·02807	1·02841	1·02874	1·02908
30·4	1·02942	1·02976	1·03009	1·03043	1·03077	1·03111	1·03145	1·03179	1·03213	1·03247
30·5	1·03281	1·03315	1·03348	1·03382	1·03416	1·03450	1·03484	1·03518	1·03552	1·03586
30·6	1·03619	1·03653	1·03687	1·03721	1·03755	1·03789	1·03823	1·03856	1·03890	1·03924
30·7	1·03958	1·03992	1·04025	1·04059	1·04093	1·04127	1·04161	1·04195	1·04229	1·04263
30·8	1·04297	1·04331	1·04364	1·04398	1·04432	1·04466	1·04500	1·04534	1·04568	1·04601
30·9	1·04635	1·04669	1·04703	1·04737	1·04771	1·04805	1·04838	1·04872	1·04906	1·04940

Table III.

Temperature.

Degrees Absolute to Degrees Fahrenheit.

The equations are $A=273+\frac{5}{9}(F-32)$, $F=32+\frac{9}{5}(A-273)$.

Degrees Absolute.	0	1	2	3	4	5	6	7	8	9
	Degrees Fahrenheit.									
250	− 9·4	− 9·2	− 9·0	− 8·9	− 8·7	− 8·5	− 8·3	− 8·1	− 8·0	− 7·8
251	− 7·6	− 7·4	− 7·2	− 7·1	− 6·9	− 6·7	− 6·5	− 6·3	− 6·2	− 6·0
252	− 5·8	− 5·6	− 5·4	− 5·3	− 5·1	− 4·9	− 4·7	− 4·5	− 4·4	− 4·2
253	− 4·0	− 3·8	− 3·6	− 3·5	− 3·3	− 3·1	− 2·9	− 2·7	− 2·6	− 2·4
254	− 2·2	− 2·0	− 1·8	− 1·7	− 1·5	− 1·3	− 1·1	− 0·9	− 0·8	− 0·6
255	− 0·4	− 0·2	0·0	+ 0·1	+ 0·3	+ 0·5	+ 0·7	+ 0·9	+ 1·0	+ 1·2
256	+ 1·4	+ 1·6	+ 1·8	+ 1·9	+ 2·1	+ 2·3	+ 2·5	+ 2·7	+ 2·8	+ 3·0
257	+ 3·2	+ 3·4	+ 3·6	+ 3·7	+ 3·9	+ 4·1	+ 4·3	+ 4·5	+ 4·6	+ 4·8
258	+ 5·0	+ 5·2	+ 5·4	+ 5·5	+ 5·7	+ 5·9	+ 6·1	+ 6·3	+ 6·4	+ 6·6
259	+ 6·8	+ 7·0	+ 7·2	+ 7·3	+ 7·5	+ 7·7	+ 7·9	+ 8·1	+ 8·2	+ 8·4
260	+ 8·6	+ 8·8	+ 9·0	+ 9·1	+ 9·3	+ 9·5	+ 9·7	+ 9·9	+ 10·0	+ 10·2
261	+10·4	+10·6	+10·8	+10·9	+11·1	+11·3	+11·5	+11·7	+ 11·8	+ 12·0
262	+12·2	+12·4	+12·6	+12·7	+12·9	+13·1	+13·3	+13·5	+ 13·6	+ 13·8
263	+14·0	+14·2	+14·4	+14·5	+14·7	+14·9	+15·1	+15·3	+ 15·4	+ 15·6
264	+15·8	+16·0	+16·2	+16·3	+16·5	+16·7	+16·9	+17·1	+ 17·2	+ 17·4
265	+17·6	+17·8	+18·0	+18·1	+18·3	+18·5	+18·7	+18·9	+ 19·0	+ 19·2
266	+19·4	+19·6	+19·8	+19·9	+20·1	+20·3	+20·5	+20·7	+ 20·8	+ 21·0
267	+21·2	+21·4	+21·6	+21·7	+21·9	+22·1	+22·3	+22·5	+ 22·6	+ 22·8
268	+23·0	+23·2	+23·4	+23·5	+23·7	+23·9	+24·1	+24·3	+ 24·4	+ 24·6
269	+24·8	+25·0	+25·2	+25·3	+25·5	+25·7	+25·9	+26·1	+ 26·2	+ 26·4
270	+26·6	+26·8	+27·0	+27·1	+27·3	+27·5	+27·7	+27·9	+ 28·0	+ 28·2
271	+28·4	+28·6	+28·8	+28·9	+29·1	+29·3	+29·5	+29·7	+ 29·8	+ 30·0
272	+30·2	+30·4	+30·6	+30·7	+30·9	+31·1	+31·3	+31·5	+ 31·6	+ 31·8
273	+32·0	+32·2	+32·4	+32·5	+32·7	+32·9	+33·1	+33·3	+ 33·4	+ 33·6
274	+33·8	+34·0	+34·2	+34·3	+34·5	+34·7	+34·9	+35·1	+ 35·2	+ 35·4
275	+35·6	+35·8	+36·0	+36·1	+36·3	+36·5	+36·7	+36·9	+ 37·0	+ 37·2
276	+37·4	+37·6	+37·8	+37·9	+38·1	+38·3	+38·5	+38·7	+ 38·8	+ 39·0
277	+39·2	+39·4	+39·6	+39·7	+39·9	+40·1	+40·3	+40·5	+ 40·6	+ 40·8
278	+41·0	+41·2	+41·4	+41·5	+41·7	+41·9	+42·1	+42·3	+ 42·4	+ 42·6
279	+42·8	+43·0	+43·2	+43·3	+43·5	+43·7	+43·9	+44·1	+ 44·2	+ 44·4
280	+44·6	+44·8	+45·0	+45·1	+45·3	+45·5	+45·7	+45·9	+ 46·0	+ 46·2
281	+46·4	+46·6	+46·8	+46·9	+47·1	+47·3	+47·5	+47·7	+ 47·8	+ 48·0
282	+48·2	+48·4	+48·6	+48·7	+48·9	+49·1	+49·3	+49·5	+ 49·6	+ 49·8
283	+50·0	+50·2	+50·4	+50·5	+50·7	+50·9	+51·1	+51·3	+ 51·4	+ 51·6
284	+51·8	+52·0	+52·2	+52·3	+52·5	+52·7	+52·9	+53·1	+ 53·2	+ 53·4
285	+53·6	+53·8	+54·0	+54·1	+54·3	+54·5	+54·7	+54·9	+ 55·0	+ 55·2
286	+55·4	+55·6	+55·8	+55·9	+56·1	+56·3	+56·5	+56·7	+ 56·8	+ 57·0
287	+57·2	+57·4	+57·6	+57·7	+57·9	+58·1	+58·3	+58·5	+ 58·6	+ 58·8
288	+59·0	+59·2	+59·4	+59·5	+59·7	+59·9	+60·1	+60·3	+ 60·4	+ 60·6
289	+60·8	+61·0	+61·2	+61·3	+61·5	+61·7	+61·9	+62·1	+ 62·2	+ 62·4
290	+62·6	+62·8	+63·0	+63·1	+63·3	+63·5	+63·7	+63·9	+ 64·0	+ 64·2
291	+64·4	+64·6	+64·8	+64·9	+65·1	+65·3	+65·5	+65·7	+ 65·8	+ 66·0
292	+66·2	+66·4	+66·6	+66·7	+66·9	+67·1	+67·3	+67·5	+ 67·6	+ 67·8
293	+68·0	+68·2	+68·4	+68·5	+68·7	+68·9	+69·1	+69·3	+ 69·4	+ 69·6
294	+69·8	+70·0	+70·2	+70·3	+70·5	+70·7	+70·9	+71·1	+ 71·2	+ 71·4
295	+71·6	+71·8	+72·0	+72·1	+72·3	+72·5	+72·7	+72·9	+ 73·0	+ 73·2
296	+73·4	+73·6	+73·8	+73·9	+74·1	+74·3	+74·5	+74·7	+ 74·8	+ 75·0
297	+75·2	+75·4	+75·6	+75·7	+75·9	+76·1	+76·3	+76·5	+ 76·6	+ 76·8
298	+77·0	+77·2	+77·4	+77·5	+77·7	+77·9	+78·1	+78·3	+ 78·4	+ 78·6
299	+78·8	+79·0	+79·2	+79·3	+79·5	+79·7	+79·9	+80·1	+ 80·2	+ 80·4
300	+80·6	+80·8	+81·0	+81·1	+81·3	+81·5	+81·7	+81·9	+ 82·0	+ 82·2
301	+82·4	+82·6	+82·8	+82·9	+83·1	+83·3	+83·5	+83·7	+ 83·8	+ 84·0
302	+84·2	+84·4	+84·6	+84·7	+84·9	+85·1	+85·3	+85·5	+ 85·6	+ 85·8
303	+86·0	+86·2	+86·4	+86·5	+86·7	+86·9	+87·1	+87·3	+ 87·4	+ 87·6
304	+87·8	+88·0	+88·2	+88·3	+88·5	+88·7	+88·9	+89·1	+ 89·2	+ 89·4
305	+89·6	+89·8	+90·0	+90·1	+90·3	+90·5	+90·7	+90·9	+ 91·0	+ 91·2
306	+91·4	+91·6	+91·8	+91·9	+92·1	+92·3	+92·5	+92·7	+ 92·8	+ 93·0
307	+93·2	+93·4	+93·6	+93·7	+93·9	+94·1	+94·3	+94·5	+ 94·6	+ 94·8
308	+95·0	+95·2	+95·4	+95·5	+95·7	+95·9	+96·1	+96·3	+ 96·4	+ 96·6
309	+96·8	+97·0	+97·2	+97·3	+97·5	+97·7	+97·9	+98·1	+ 98·2	+ 98·4
310	+98·6	+98·8	+99·0	+99·1	+99·3	+99·5	+99·7	+99·9	+100·0	+100·2

Table IV.

Rainfall. *Inches to Millimetres.*

Inches.	0	1	2	3	4	5	6	7	8	9
	Millimetres									
0·0	0·00	0·25	0·51	0·76	1·02	1·27	1·52	1·78	2·03	2·29
0·1	2·54	2·79	3·05	3·30	3·56	3·81	4·06	4·32	4·57	4·83
0·2	5·08	5·33	5·59	5·84	6·09	6·35	6·60	6·86	7·11	7·36
0·3	7·62	7·87	8·13	8·38	8·63	8·89	9·14	9·40	9·65	9·90
0·4	10·16	10·41	10·66	10·92	11·17	11·43	11·68	11·93	12·19	12·44
0·5	12·70	12·95	13·20	13·46	13·71	13·97	14·22	14·47	14·73	14·98
0·6	15·24	15·49	15·74	16·00	16·25	16·50	16·76	17·01	17·27	17·52
0·7	17·77	18·03	18·28	18·54	18·79	19·04	19·30	19·55	19·81	20·06
0·8	20·31	20·57	20·82	21·08	21·33	21·58	21·84	22·09	22·35	22·60
0·9	22·85	23·11	23·36	23·61	23·87	24·12	24·38	24·63	24·88	25·14
1·0	25·39	25·65	25·90	26·15	26·41	26·66	26·92	27·17	27·42	27·68
1·1	27·93	28·19	28·44	28·69	28·95	29·20	29·45	29·71	29·96	30·22
1·2	30·47	30·72	30·98	31·23	31·49	31·74	31·99	32·25	32·50	32·76
1·3	33·01	33·26	33·52	33·77	34·03	34·28	34·53	34·79	35·04	35·30
1·4	35·55	35·80	36·06	36·31	36·56	36·82	37·07	37·33	37·58	37·83
1·5	38·09	38·34	38·60	38·85	39·10	39·36	39·61	39·87	40·12	40·37
1·6	40·63	40·88	41·14	41·39	41·64	41·90	42·15	42·40	42·66	42·91
1·7	43·17	43·42	43·67	43·93	44·18	44·44	44·69	44·94	45·20	45·45
1·8	45·71	45·96	46·21	46·47	46·72	46·98	47·23	47·48	47·74	47·99
1·9	48·25	48·50	48·75	49·01	49·26	49·51	49·77	50·02	50·28	50·53
2·0	50·78	51·04	51·29	51·55	51·80	52·05	52·31	52·56	52·82	53·07

Table V.

Wind Velocity.

Miles per Hour into Metres per Second.

1 mile per hour = 0·44704 metres per second.

Miles per Hour.	0	1	2	3	4	5	6	7	8	9
	Metres per Second.									
0	0·0	0·5	0·9	1·3	1·8	2·2	2·7	3·1	3·6	4·0
10	4·5	4·9	5·4	5·8	6·3	6·7	7·2	7·6	8·1	8·5
20	8·9	9·4	9·8	10·3	10·7	11·2	11·6	12·1	12·5	13·0
30	13·4	13·9	14·3	14·8	15·2	15·7	16·1	16·5	17·0	17·4
40	17·9	18·3	18·8	19·2	19·7	20·1	20·6	21·0	21·5	21·9
50	22·4	22·8	23·3	23·7	24·1	24·6	25·0	25·5	26·0	26 4
60	26·8	27·3	27·7	28·2	28·6	29·1	29·5	30·0	30·4	30·9
70	31·3	31·7	32·2	32·6	33·1	33·5	34·0	34·4	34·9	35·3
80	35·8	36·2	36·7	37·1	37·6	38·0	38·4	38·9	39·3	39·8
90	40·2	40·7	41·1	41·6	42·0	42·5	42·9	43·4	43·8	44·3
100	44·7	45·2	45·6	46·0	46·5	46·9	47·4	47·8	48·3	48·7
110	49·2	49·6	50·1	50·5	51·0	51·4	51·9	52·3	52·8	53·2
120	53·6	54·1	54·5	55·0	55·4	55·9	56·3	56·8	57·2	57·7
130	58·1	58·6	59·1	59·5	59·9	60·4	60·8	61·2	61·7	62·1
140	62·5	63·0	63·5	63·9	64·4	64·8	65·3	65·7	66·2	66·6

W. N. SHAW, *Director.*

Meterorological Office, London, S.W.
13 *November* 1912.

METEOROLOGICAL OFFICE OBSERVATORIES.

[*Price Sixpence.*]

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** JANUARY, 1911.

Barometer Cistern, 45 feet above Mean Sea Level. Thermometers, 4 feet above Ground. Sunshine Recorder, 42 feet above Ground.
Rain-gauge, 1 foot 10 inches above Ground; 32 feet above Mean Sea Level. Cups of Anemometer, 45 feet above Ground.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time.
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

Note.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the reduction of the Observations to Sea Level and Latitude 45°, &c., *see* Preface.)

TABLE I.

VALENCIA. Daily Extremes of Pressure and Temperature. JANUARY, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	ins.	ins.	°	°		ins.	ins.	°	°		ins.	ins.	°	°		ins.	ins.	°	°
1	0·314	0·261	50·3	42·4	9	0·629	0·234	48·2	36·3	17	0·681	0·558	49·0	45·8	25	0·264	0·125	**51·9**	49·0
2	0·335	0·178	42·9	33·9	10	0·639	0·943	49·2	**32·6**	18	**0·695**	0·598	46·9	44·7	26	0·320	0·264	50·2	46·7
3	0·272	0·143	40·9	34·8	11	9·970	9·595	50·0	38·9	19	0·613	0·463	49·6	43·1	27	0·287	0·156	51·8	46·8
4	0·288	0·078	42·4	34·4	12	0·394	9·970	41·7	35·8	20	0·463	0·177	45·9	38·8	28	0·216	0·104	50·5	47·5
5	0·078	9·650	49·3	41·8	13	0·425	0·345	41·7	34·8	21	0·177	0·018	47·0	42·9	29	0·133	9·915	50·7	47·3
6	0·083	**9·494**	50·4	41·4	14	0·350	0·301	44·4	37·6	22	0·237	0·153	43·9	33·8	30	0·247	9·932	49·1	39·3
7	0·211	0·083	51·0	44·1	15	0·392	0·251	48·5	42·8	23	0·284	0·221	47·9	37·7	31	0·574	0·247	44·6	37·5
8	0·246	0·175	51·4	47·9	16	0·561	0·392	49·5	35·8	24	0·253	0·170	49·7	44·2	Mean.	—	—	47·8	40·7

TABLE II.

VALENCIA. Pressure in English Inches, First figure omitted. JANUARY, 1911.

The readings are corrected for temperature, but are not reduced to Mean Sea Level nor corrected for the effect of gravity.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1	0·306	0·301	0·288	0·288	0·283	0·277	0·269	0·263	0·272	0·280	0·282	0·283	0·273	0·268	0·261	0·266	0·263	0·263	0·271	0·283	0·287	0·294	0·301	0·308	0·311	0·281
2	0·311	0·314	0·313	0·326	0·321	0·317	0·323	0·323	0·332	0·335	0·328	0·322	0·304	0·286	0·260	0·255	0·236	0·235	0·234	0·227	0·224	0·214	0·205	0·187	0·178	0·278
3	0·178	0·166	0·160	0·157	0·145	0·147	0·145	0·150	0·158	0·180	0·185	0·178	0·174	0·179	0·183	0·189	0·209	0·225	0·233	0·254	0·259	0·264	0·268	0·270	0·268	0·196
4	0·268	0·262	0·265	0·278	0·284	0·275	0·259	0·264	0·273	0·282	0·286	0·267	0·250	0·229	0·204	0·184	0·176	0·173	0·165	0·145	0·145	0·152	0·139	0·108	0·078	0·218
5	0·078	0·057	0·067	0·053	0·029	0·009	9·994	9·982	9·982	0·983	9·976	9·956	9·923	9·910	9·900	9·881	9·871	9·856	9·845	9·830	9·805	9·780	9·744	9·699	9·650	9·917
6	9·650	9·600	9·559	9·525	9·535	9·562	9·589	9·631	9·659	9·690	9·725	9·765	9·796	9·803	9·826	9·856	9·903	9·941	9·958	9·995	0·020	0·050	0·055	0·067	0·083	9·791
7	0·083	0·092	0·102	0·113	0·121	0·112	0·111	0·111	0·116	0·121	0·127	0·122	0·118	0·119	0·112	0·131	0·150	0·170	0·174	0·186	0·199	0·206	0·201	0·200	0·185	0·139
8	0·185	0·188	0·189	0·183	0·189	0·179	0·190	0·186	0·199	0·211	0·220	0·219	0·217	0·219	0·214	0·213	0·213	0·216	0·219	0·219	0·239	0·246	0·243	0·241	0·239	0·211
9	0·239	0·237	0·239	0·246	0·253	0·269	0·276	0·299	0·327	0·363	0·383	0·401	0·409	0·420	0·429	0·450	0·474	0·508	0·528	0·549	0·583	0·593	0·617	0·623	0·620	0·413
10	0·620	0·637	0·632	0·633	0·625	0·616	0·608	0·607	0·585	0·584	0·570	0·542	0·483	0·450	0·405	0·389	0·337	0·301	0·244	0·209	0·160	0·106	0·053	0·005	9·943	0·420
11	9·943	9·900	0·837	9·799	9·756	0·713	9·670	9·663	9·637	9·624	9·618	9·616	9·597	9·598	9·599	9·607	9·619	9·669	9·723	9·764	9·814	9·887	9·918	9·953	9·970	9·731
12	9·970	9·979	0·014	0·034	0·074	0·092	0·114	0·142	0·160	0·188	0·219	0·240	0·238	0·240	0·242	0·249	0·238	0·270	0·285	0·307	0·337	0·367	0·369	0·373	0·394	0·206
13	0·394	0·395	0·393	0·397	0·396	0·400	0·396	0·396	0·397	0·401	0·420	0·420	0·417	0·405	0·381	0·363	0·368	0·375	0·366	0·367	0·351	0·347	0·346	0·345	0·350	0·384
14	0·350	0·345	0·339	0·330	0·327	0·315	0·305	0·307	0·311	0·329	0·337	0·338	0·337	0·324	0·314	0·308	0·307	0·309	0·313	0·307	0·313	0·314	0·313	0·314	0·311	0·320
15	0·311	0·303	0·291	0·283	0·274	0·261	0·259	0·259	0·257	0·266	0·269	0·277	0·267	0·262	0·254	0·259	0·273	0·294	0·308	0·323	0·338	0·345	0·357	0·374	0·392	0·292
16	0·392	0·397	0·429	0·450	0·472	0·483	0·489	0·492	0·500	0·508	0·515	0·518	0·510	0·512	0·504	0·507	0·508	0·509	0·516	0·522	0·538	0·541	0·550	0·550	0·561	0·500
17	0·561	0·565	0·566	0·576	0·580	0·584	0·579	0·590	0·600	0·606	0·618	0·631	0·628	0·627	0·617	0·622	0·614	0·627	0·634	0·652	0·653	0·661	0·661	0·668	0·673	0·616
18	0·673	0·684	0·676	0·673	0·674	0·667	0·662	0·667	0·676	0·689	0·692	0·693	0·681	0·666	0·630	0·603	0·619	0·637	0·637	0·628	0·613	0·606	0·606	0·602	0·613	0·651
19	0·613	0·605	0·597	0·588	0·565	0·561	0·552	0·553	0·555	0·557	0·559	0·564	0·558	0·556	0·533	0·524	0·512	0·513	0·515	0·519	0·520	0·512	0·499	0·497	0·463	0·544
20	0·463	0·440	0·428	0·433	0·410	0·405	0·390	0·379	0·385	0·389	0·385	0·376	0·349	0·332	0·310	0·285	0·265	0·254	0·248	0·243	0·234	0·227	0·211	0·202	0·177	0·329
21	0·177	0·167	0·151	0·140	0·125	0·117	0·107	0·101	0·095	0·095	0·087	0·091	0·069	0·053	0·034	0·024	0·027	0·064	0·083	0·103	0·118	0·132	0·139	0·149	0·153	0·101
22	0·153	0·160	0·159	0·161	0·155	0·153	0·161	0·162	0·173	0·179	0·189	0·190	0·187	0·179	0·177	0·173	0·178	0·185	0·198	0·209	0·221	0·231	0·234	0·234	0·237	0·185
23	0·237	0·241	0·242	0·245	0·241	0·243	0·244	0·249	0·264	0·275	0·277	0·276	0·270	0·254	0·237	0·228	0·232	0·233	0·242	0·249	0·258	0·256	0·257	0·249	0·248	0·250
24	0·248	0·243	0·237	0·237	0·233	0·238	0·236	0·229	0·225	0·229	0·245	0·244	0·232	0·207	0·191	0·192	0·192	0·197	0·189	0·189	0·185	0·177	0·177	0·182	0·176	0·213
25	0·170	0·170	0·156	0·153	0·141	0·142	0·133	0·129	0·140	0·144	0·163	0·168	0·173	0·169	0·167	0·170	0·179	0·184	0·189	0·199	0·222	0·235	0·247	0·256	0·264	0·177
26	0·264	0·269	0·267	0·273	0·269	0·273	0·277	0·287	0·303	0·314	0·316	0·319	0·313	0·305	0·290	0·284	0·279	0·289	0·285	0·287	0·290	0·294	0·293	0·290	0·287	0·289
27	0·287	0·285	0·267	0·254	0·236	0·224	0·218	0·215	0·206	0·198	0·182	0·183	0·182	0·172	0·162	0·164	0·165	0·170	0·179	0·182	0·182	0·188	0·189	0·198	0·202	0·202
28	0·202	0·216	0·208	0·202	0·202	0·192	0·194	0·192	0·187	0·189	0·186	0·190	0·184	0·172	0·156	0·140	0·126	0·136	0·135	0·132	0·113	0·120	0·104	0·117	0·129	0·165
29	0·129	0·133	0·117	0·113	0·104	0·095	0·086	0·075	0·070	0·068	0·061	0·052	0·038	0·026	0·001	9·982	9·976	9·967	9·963	9·959	9·939	9·927	9·919	9·927	9·938	0·026
30	9·938	9·939	9·946	9·948	9·955	9·966	9·985	0·026	0·049	0·061	0·086	0·122	0·137	0·144	0·148	0·157	0·164	0·176	0·196	0·194	0·202	0·210	0·218	0·231	0·247	0·098
31	0·247	0·260	0·276	0·281	0·286	0·292	0·302	0·319	0·340	0·361	0·373	0·384	0·397	0·410	0·422	0·424	0·423	0·456	0·476	0·500	0·514	0·526	0·540	0·558	0·571	0·397
Mean...	·2467	·2435	·2390	·2378	·2342	·2316	·2298	·2338	·2398	·2484	·2542	·2564	·2487	·2418	·2311	·2284	·2289	·2388	·2436	·2491	·2541	·2583	·2572	·2574	·2553	·2432
Normals 1871–1910.	·9092	·9043	·9009	·9010	·8965	·8925	·8905	·8923	·8984	·9064	·9147	·9191	·9143	·9042	·8960	·8945	·8967	·8994	·9038	·9071	·9106	·9119	·9127	·9116	·9106	·9038

(19735—24.) Wt. 41466—310. 250. 7/11. D & S.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY (V.) IN MILES PER HOUR, AS RECORDED BY THE ROBINSON ANEMOMETER. JANUARY, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.		13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	
1	20	9	20	9	20	9	20	8	20	11	21	12	21	14	22	12	22	15	22	12	22	8	22	8	22	8	31	4	1	4	7	6	7	12	7	10	9	7	8	9	9	7	9	1
2	5	4	7	11	7	15	5	10	11	7	5	9	5	10	7	9	—	3	6	10	6	12	8	12	—	3	1	5	3	7	3	6	3	5	3	7	3	6	5	7	6	2	6	2
3	3	10	8	9	5	10	9	10	10	10	10	11	10	10	—	3	6	4	—	3	12	9	11	10	13	8	12	7	2	20	7	8	8	12	8	10	8	9	8	11	9	3	9	3
4	8	7	9	12	9	10	15	10	15	10	15	10	15	9	16	8	16	10	17	10	16	10	16	11	17	11	20	10	21	7	21	4	16	4	17	6	16	8	17	9	16	12	16	12	16	15	16	16	10	5
5	15	12	15	10	15	10																																												
							22	24	26	27	26	23	27	23	26	26	25	24	25	21	25	23	27	23	25	24	26	20	28	19	28	17	28	19	27	15	28	15	26	15	28	7	29	10	25	13	25	15	19	6
6	16	16	17	15	18	18	22	8	17	5	19	7	19	8	18	9	19	12	19	12	20	15	20	16	21	24	22	12	22	12	22	12	22	12	22	12	21	5	20	8	18	7	17	9	17	7	16	8	11	7
7	25	10	24	10	22	14	19	10	20	10	20	12	19	11	20	13	20	11	21	16	21	11	21	18	21	18	21	9	20	10	20	10	20	12	20	10	20	4	20	4	—	2	—	3	—	2	—	2	9	8
8	17	7	16	6	17	6	32	7	1	5	1	6	1	7	32	9	32	7	32	5	31	10	28	14	30	17	29	15	30	15	32	10	1	10	1	12	32	9	32	4	—	2	—	2	—	2	—	2	8	9
9	—	0	28	5	32	9	4	4	4	4	—	2	4	4	—	2	10	4	14	4	15	10	15	14	15	16	15	15	15	15	15	15	15	14	15	15	15	18	15	20	15	21	15	18	15	20	16	21	11	10
10	4	5	4	5	4	4																																												
																									—	1	—	2	29	6	29	12	2	25	1	32	1.	32	1	31	1	32	1	31	1	34	32	32	17	11
11	16	18	17	17	17	17	18	18	19	16	20	14	19	10	19	9	20	10	20	7	20	6	20	7	1	23	3	22	2	24	1	29	3	22	3	22	3	20	3	14	4	10	3	12	3	10	8	8	22	12
12	1	34	1	30	1	32	3	29	2	28	2	22	1	21	2	21	1	22	1	21	1	22	2	24	—	1	—	2	—	2	—	2	—	1	—	2	—	3	7	5	7	4	—	3	—	2	—	3	4	13
13	5	6	4	7	6	8	4	6	4	7	3	8	3	6	8	8	8	6	—	1	17	4	—	3	19	7	19	4	19	4	19	5	17	4	17	5	17	7	17	6	17	6	17	7	16	8	16	10	4	14
14	—	3	—	2	—	2	—	3	—	2	—	2	—	2	—	2	—	2	—	2	—	2	19	5	16	12	17	14	16	12	17	10	16	10	16	8	16	8	16	9	17	8	17	8	19	4	—	0	10	15
15	16	10	15	10	15	11	16	11	16	11	15	11	16	10	15	12	16	10	16	12	16	12	16	13																										
																									14	12	15	12	15	10	15	11	15	10	15	12	15	12	15	10	15	12	16	11	16	8	16	10	7	16
16	—	3	—	2	19	4	—	2	—	2	—	2	—	2	—	3	—	3	—	1	—	2	14	6	16	10	16	11	16	10	16	10	16	8	16	7	16	8	16	7	16	9	16	10	15	10	16	10	10	17
17	16	10	16	10	17	10	16	10	17	10	16	8	16	10	16	9	15	11	15	10	16	11	16	10	15	12	15	10	15	21	15	17	15	11	15	13	13	10	4	7	13	7	15	5	12	7	15	7	9	18
18	16	9	16	7	16	7	17	8	16	6	17	6	17	7	17	6	16	5	16	7	16	7	16	8	15	8	15	8	15	10	15	9	15	10	15	8	16	8	15	7	15	11	13	12	12	11	12	12	9	19
19	16	9	15	8	16	7	16	7	16	7	16	6	16	7	15	7	16	7	16	7	16	8	15	10	14	12	14	12	15	13	15	15	15	16	15	19	15	18	15	18	15	16	15	18	15	17	15	18	13	20
20	15	10	15	11	17	7	16	6	17	10	15	11	15	9	15	7	14	10	14	8	14	10	15	12																										
																									14	15	14	14	15	10	29	15	32	19	1	16	32	16	32	14	32	11	32	7	32	4	27	7	12	21
21	15	15	15	12	15	12	15	12	15	11	15	11	15	11	15	10	15	10	15	12	16	10	15	13	—	2	23	8	22	7	22	5	22	4	19	5	19	4	7	4	—	3	13	4	16	5	16	6	4	22
22	—	2	—	3	—	2	—	1	—	2	—	2	—	2	—	2	5	4	—	3	—	2	—	2	15	11.	15	12	15	12	15	10	16	7	16	7	16	7	16	7	16	7	16	7	16	5	16	7	7	23
23	16	6	20	8	22	7	18	7	22	5	16	4	17	5	—	3	—	3	14	7	15	9	15	10	17	13	16	17	18	15	17	12	18	13	18	11	17	11	19	12	16	12	16	11	17	13	17	14	11	24
24	16	8	17	6	16	5	17	6	19	9	19	10	19	7	20	10	18	10	20	13	19	11	17	10	19	18	19	17	19	18	20	14	20	15	18	16	19	17	19	14	20	11	19	11	20	12	20	12	15	25
25	16	15	17	12	17	15	18	15	16	14	19	15	19	17	20	19	19	18	20	15	20	15	19	16																										
																									16	12	16	11	17	13	17	14	16	12	16	11	16	12	16	11	16	12	16	11	16	10	16	11	11	26
26	19	13	19	13	19	12	20	12	19	12	20	10	19	11	18	8	17	7	16	7	18	9	18	10	15	16	15	16	16	14	16	14	15	12	15	10	15	12	15	13	15	13	15	15	15	14	15	14	12	27
27	16	11	15	10	15	11	15	11	15	10	15	7	15	7	16	10	15	11	15	12	15	14	15	17	15	18	15	23	15	23	14	24	14	21	14	22	14	22	15	21	14	23	14	20	15	18	18	28	18	28
28	15	13	15	12	15	15	15	15	15	15	15	14	15	14	15	15	15	14	15	14	15	18	15	17	14	16	12	21	12	19	12	17	12	18	12	15	12	15	12	17	12	16	12	18	12	15	10	15	16	29
29	15	13	15	15	14	15	14	14	14	14	14	14	14	15	13	17	13	18	13	18	13	18	13	18	9	12	12	10	9	14	8	12	9	12	9	12	—	3	7	7	10	7	7	5	8	8	15	7	13	30
30	12	20	12	23	12	23	8	18	9	18	11	16	7	12	7	13	9	19	8	22	7	15	9	15																										
31	12	20	9	12	7	10	5	12	3	10	8	9	6	7	8	7	7	6	5	7	7	10	8	10	3	9	4	12	7	13	8	18	8	12	3	4	7	9	8	10	8	14	10	15	9	10	9	12	11	31
Mean ...	—	10·6	—	10·4	—	10·9	—	10·5	—	10·4	—	9·8	—	9·5	—	9·5	—	9·6	—	9·7	—	10·4	—	11·6	—	11·7	—	11·4	—	11·2	—	11·1	—	10·8	—	10·9	—	10·5	—	10·9	10·9							
Normals 1881–1910.	—	14·5	—	14·4	—	14·2	—	14·1	—	14·2	—	14·1	—	14·2	—	14·2	—	14·5	—	14·3	—	14·1	—	15·5	—	16·0	—	16·1	—	16·0	—	15·4	—	15·0	—	14·6	—	14·5	—	14·2	—	14·4	—	14·7	—	14·8	—	14·7	14·7	Normals 1881–1910.

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 4 miles per hour the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE IV.—RAINFALL IN ENGLISH INCHES. JANUARY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	·01	·01	—	—	·01	·01	·01	·02	·01	—	—	·01	—	—	—	—	—	—	—	—	—	·09
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	·01	—	·02	·01	·03	·01	·02	—	·02	—	—	—	—	—	—	·01	·02	—	—	·02	—	·17
6	·01	·01	·11	·10	·01	—	·01	—	—	·01	—	—	—	—	—	—	·02	—	—	·01	—	·01	—	—	·30
7	·01	—	—	—	—	—	—	—	·01	·01	·01	·01	—	—	—	—	—	—	—	—	—	·01	—	—	·06
8	—	—	—	—	·01	—	·01	·01	·01	—	—	—	—	—	—	—	·03	·02	·03	·03	·01	·01	·02	·01	·19
9	·01	·03	·01	·02	·02	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·10
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01	·04	·06	·07	·09	·05	·01	—	·01	·34
11	·01	·09	·02	·01	·02	·04	·01	—	—	—	—	·08	·04	—	—	·01	·01	—	—	—	·01	—	—	—	·35
12	—	—	·01	—	—	—	·01	—	—	—	—	—	—	—	—	—	·01	—	—	—	—	—	—	—	·03
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·02	·05	·04	·02	—	—	—	—	·13
16	—	—	·01	—	—	·01	—	—	—	—	—	—	—	·01	—	·01	·02	—	—	—	—	—	—	—	·06
17	—	—	·01	—	·01	·01	·01	·01	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·06
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	·02	·05	·06	·06	·17	·08	—	·01	—	—	—	—	—	·08	·53
22	·02	·01	—	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·04
23	·01	—	—	·01	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·02	—	—	—	·01	·06
24	—	·01	—	—	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·02
25	—	—	—	—	—	—	—	·01	—	·01	—	·01	—	—	—	—	—	—	—	—	—	—	·01	·01	·05
26	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01
27	—	—	·01	—	—	·01	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·03
28	—	·01	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01	·03
29	—	·01	·01	·05	·10	·10	·02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·29
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	·07	·17	·20	·22	·18	·20	·08	·09	·05	·07	·05	·18	·10	·07	·18	·11	·15	·14	·15	·19	·07	·04	·05	·13	2·94
Normals 1871–1910.	·258	·238	·240	·255	·261	·225	·244	·244	·271	·227	·201	·222	·222	·249	·239	·190	·209	·251	225	·249	·274	·278	·257	·270	5·800

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JANUARY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Very dull; heavy mist and ●⁰.
2	—	—	—	—	—	·1	1·0	1·0	·9	—	·1	—	—	—	—	—	—	3·1	Fine to fair.
3	—	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	6·2	Fine; Ely. breeze.
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast; ≋⁰ and ●.
6	—	—	—	—	—	—	·5	·6	·7	·5	·1	—	—	—	—	—	—	2·4	Squally, with ▲ and ●, to fair.
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Heavy mist all day, and ●⁰ occasionally.
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Very misty, with ● in evening.
9	—	—	—	—	—	—	·1	·6	—	·9	1·0	·5	—	—	—	—	—	3·1	Dull to fair.
10	—	—	—	—	—	·3	·6	—	—	—	—	—	—	—	—	—	—	0·9	▭ and fine early; dull later with ≋ and ●.
11	—	—	—	—	—	—	·4	—	—	—	—	·5	—	—	—	—	—	0·9	Showery.
12	—	—	—	—	—	—	·8	·9	·7	·9	·7	·8	—	—	—	—	—	4·8	Squally.
13	—	—	—	—	—	—	·3	—	·1	·1	·7	·5	—	—	—	—	—	1·7	Fair generally.
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
15	—	—	—	—	—	—	—	—	·3	—	—	—	—	—	—	—	—	0·3	Overcast most of day; ≋⁰ and ● in evening.
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Misty all day, with drizzling ●⁰ occasionally.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast generally, with ≋⁰, ●⁰, A.M.
18	—	—	—	—	—	—	—	·2	·5	1·0	1·0	·8	—	—	—	—	—	3·5	Fair.
19	—	—	—	—	—	—	·4	1·0	·6	·9	1·0	·1	—	—	—	—	—	4·0	Fine, with light Sly. breeze.
20	—	—	—	—	—	—	·2	·3	·2	—	—	—	—	—	—	—	—	0·7	Cloudy.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and squally, with ●² in afternoon.
22	—	—	—	—	—	·6	1·0	·9	·7	·9	·6	·8	·5	—	—	—	—	6·0	Fine.
23	—	—	—	—	—	·5	·8	1·0	1·0	·7	·5	·6	—	—	—	—	—	5·1	Fine and clear during day; gloomy-looking at night.
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast, ≋⁰, and ●⁰ showers.
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty.
27	—	—	—	—	—	—	·1	·2	·4	·1	·5	·3	—	—	—	—	—	1·6	Gloomy day, brightening occasionally.
28	—	—	—	—	—	—	—	—	—	·2	·3	—	—	—	—	—	—	0·5	Dull, but good visibility.
29	—	—	—	—	—	—	·2	·3	—	—	—	—	—	—	—	—	—	0·5	Dull, with ● early.
30	—	—	—	—	—	·6	1·0	1·0	·4	·9	1·0	·1	·2	—	—	—	—	5·2	Fine, wind E.-S.E.
31	—	—	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	—	—	—	7·5	Very fine and bright.
	—	—	—	—	—	3·1	9·4	10·0	8·5	9·1	9·5	7·0	1·4	—	—	—	—	58·0	Total.
	—	—	—	—	0·19	3·63	7·26	8·55	8·66	8·39	6·89	4·40	0·79	0·01	—	—	—	48·77	Normals 1881–1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES FAHRENHEIT.—DRY-BULB. JANUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	48·1	48·9	48·9	48·9	48·9	49·1	49·1	49·3	48·9	49·3	49·3	49·4	49·5	49·7	50·1	50·3	49·9	48·8	48·2	47·8	46·1	44·7	44·1	44·1	42·4	48·3
2	42·4	42·3	40·3	39·0	38·1	37·4	36·9	35·9	36·4	35·1	34·0	35·8	37·4	40·1	41·0	41·1	41·2	41·2	40·9	41·2	40·0	39·8	38·9	37·6	37·4	38·8
3	37·4	38·6	37·7	37·8	37·5	37·0	36·1	35·9	35·5	35·9	36·6	37·5	40·2	40·8	40·6	39·6	39·0	38·2	38·9	36·4	37·6	38·7	37·8	38·0	38·3	37·9
4	38·3	38·7	38·4	39·2	39·4	40·2	38·8	37·8	36·4	34·7	34·9	40·9	41·8	41·9	42·2	42·3	41·4	41·5	41·3	41·6	41·4	41·6	41·5	42·1	41·9	40·0
5	41·9	42·4	42·8	42·9	44·6	45·5	45·8	46·1	46·1	46·9	47·5	48·3	48·6	49·1	49·0	47·9	47·4	47·3	47·4	47·8	48·3	47·6	47·1	48·7	49·1	46·7
6	49·1	48·9	48·8	49·3	49·3	46·7	47·2	45·9	44·6	45·1	43·7	44·9	45·1	44·7	44·2	44·7	43·8	42·8	44·2	42·5	44·5	43·7	43·5	45·3	45·4	45·4
7	45·4	45·7	45·4	45·9	45·4	44·5	45·2	45·9	46·6	47·8	48·0	49·2	49·9	50·5	50·8	50·3	49·6	49·6	49·3	49·4	49·1	49·2	48·9	49·0	48·9	48·0
8	48·9	48·9	48·8	49·1	49·2	49·8	49·9	49·9	49·9	50·0	50·4	50·9	50·9	50·9	51·3	50·8	50·7	50·8	50·9	50·9	50·1	49·0	48·3	47·9	48·1	49·9
9	48·1	47·9	47·7	46·9	46·4	46·4	46·2	46·1	45·7	45·6	45·4	46·1	46·5	45·9	46·6	45·8	45·1	44·2	44·3	44·8	43·8	43·8	41·2	38·4	36·3	45·1
10	36·3	34·2	35·2	32·9	33·1	34·4	34·2	34·1	34·8	33·8	35·5	41·2	42·9	44·3	44·9	45·3	45·4	45·1	45·4	45·8	46·3	46·9	47·5	48·5	49·2	40·6
11	49·2	49·6	49·2	49·3	49·1	49·4	49·6	47·8	47·1	46·9	47·1	48·9	49·2	46·6	46·9	47·8	48·5	46·5	44·8	44·3	44·5	43·5	41·3	40·6	40·4	46·8
12	40·4	40·3	38·7	39·9	38·4	39·7	39·1	39·6	39·0	39·9	40·3	40·9	41·4	41·6	41·2	41·2	41·0	40·5	39·6	39·8	39·1	39·5	39·3	38·4	39·1	39·9
13	39·1	38·7	38·1	38·7	37·4	37·5	37·6	36·9	36·8	36·8	35·9	36·1	38·6	39·9	40·9	41·3	41·3	39·1	38·2	37·7	35·4	36·3	37·1	37·7	37·6	38·0
14	37·6	37·8	38·3	38·7	38·6	38·9	38·8	39·1	39·4	39·9	40·5	40·9	42·9	43·9	44·1	44·2	43·9	43·6	42·8	43·6	42·6	43·1	43·5	43·5	43·4	41·4
15	43·4	43·7	43·5	43·5	43·4	43·8	43·8	43·6	44·1	44·4	44·7	45·7	46·2	47·0	46·9	46·8	46·5	45·4	45·9	46·5	46·8	47·6	48·1	48·2	47·2	45·5
16	47·2	46·4	46·2	44·9	42·8	40·1	39·3	38·3	37·4	35·9	39·8	43·7	47·0	48·5	48·9	49·2	48·9	48·9	48·9	48·9	49·0	49·2	49·4	48·9	48·9	45·4
17	48·9	48·7	48·4	48·2	47·5	47·4	47·3	47·1	46·9	46·8	46·4	46·2	46·3	46·8	46·8	46·8	46·5	46·7	46·4	46·4	46·1	46·1	46·1	46·0	45·9	46·9
18	45·9	46·0	46·3	46·2	45·8	45·8	45·5	45·8	45·4	45·3	45·5	46·4	45·7	45·9	45·4	45·5	44·7	45·5	45·4	45·8	46·1	46·8	46·7	46·1	45·3	45·8
19	45·3	44·9	45·7	45·9	45·9	46·3	46·2	46·6	46·6	46·5	46·8	47·9	49·2	49·4	49·0	48·5	47·2	45·9	45·7	45·7	45·2	45·0	44·8	44·6	43·1	46·4
20	43·1	40·9	41·3	40·9	39·4	39·1	41·1	40·9	40·5	43·1	43·7	44·7	45·4	45·9	45·4	45·1	44·3	44·1	44·1	44·3	44·3	44·2	44·3	44·9	44·9	43·2
21	44·9	45·2	45·7	46·6	45·4	46·2	44·9	46·1	45·8	45·9	46·4	46·1	45·9	46·3	46·5	46·9	45·1	43·2	43·4	44·0	44·2	44·2	43·9	43·4	43·5	45·2
22	43·5	42·9	42·8	41·9	39·9	38·8	37·7	37·5	35·4	33·8	34·8	36·5	40·2	41·9	43·4	43·6	43·2	41·5	41·1	39·7	37·8	37·6	37·7	38·9	39·2	39·6
23	39·2	40·9	42·4	43·4	41·7	41·4	40·9	39·9	39·0	38·7	41·4	43·1	45·1	46·9	47·8	47·6	46·5	46·4	44·4	45·6	45·5	45·1	45·2	44·8	44·9	43·6
24	44·9	45·7	45·3	44·2	44·6	44·4	44·4	44·7	45·1	45·2	45·3	47·1	47·7	47·9	48·6	48·7	48·3	48·3	48·4	48·6	48·9	48·8	48·7	49·6	49·0	46·9
25	49·0	49·6	49·5	49·9	49·8	50·3	50·4	50·9	51·1	51·1	51·3	51·4	51·8	51·6	51·6	51·8	51·2	51·4	51·4	51·2	50·5	50·3	50·1	49·9	49·9	50·7
26	49·9	49·8	49·6	49·3	48·9	48·7	48·3	48·7	48·2	48·3	48·4	48·9	49·5	49·9	49·4	49·2	48·3	47·1	46·8	46·8	47·1	47·3	47·1	47·5	47·3	48·4
27	47·3	47·6	47·4	47·7	47·6	47·5	47·2	47·6	47·2	47·9	48·6	49·5	50·0	51·3	51·0	51·4	51·3	50·4	49·9	49·9	50·3	49·9	50·3	50·4	50·4	49·2
28	50·4	50·4	50·1	50·1	50·1	50·2	49·4	49·7	49·3	49·5	49·6	49·9	49·8	50·1	50·3	49·8	49·2	48·9	48·4	47·9	47·8	47·9	48·6	47·5	47·5	49·3
29	47·5	47·4	47·8	47·8	47·5	47·6	47·3	47·7	48·1	48·4	48·9	49·2	50·2	50·6	49·6	49·5	48·9	48·9	48·7	48·6	48·5	48·6	48·7	48·9	48·7	48·6
30	48·7	48·9	48·9	48·1	48·0	47·9	47·2	46·5	46·0	45·7	45·4	45·6	46·8	47·6	47·4	47·9	46·9	45·5	43·9	41·4	40·7	42·4	42·9	43·2	42·2	45·8
31	42·2	43·8	42·4	41·6	41·0	41·7	41·3	40·9	40·3	40·7	41·0	42·6	43·5	43·9	44·0	44·2	44·1	43·1	41·8	41·3	40·6	40·0	40·6	40·9	40·8	42·0
Mean ...	44·6	44·7	44·6	44·5	44·0	44·0	43·8	43·6	43·3	43·4	43·8	45·0	46·0	46·5	46·6	46·6	46·1	45·5	45·2	45·0	44·8	44·8	44·6	44·6	44·4	44·8
Normals 1871–1910.	44·2	44·2	44·1	44·1	44·1	44·1	44·0	44·0	44·0	44·1	44·5	45·2	45·7	46·2	46·2	46·2	45·8	45·2	44·8	44·7	44·5	44·4	44·3	44·3	44·2	44·7

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JANUARY, 1911.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	89	91	93	93	94	96	96	96	99	97	99	99	100	99	98	98	99	97	98	93	92	87	85	82	74	94·3
2	74	75	69	72	68	72	72	73	73	78	81	82	84	74	72	74	74	73	75	75	78	79	78	79	79	75·3
3	79	76	77	75	76	80	81	82	84	84	77	76	69	71	74	78	80	80	76	86	77	75	79	77	76	77·8
4	76	77	75	74	73	71	74	75	84	84	85	76	76	76	75	74	76	75	75	75	78	78	82	80	84	77·0
5	84	83	85	91	93	92	96	97	97	97	95	96	97	97	96	94	98	98	97	96	95	93	91	94	96	94·1
6	96	97	97	96	96	87	71	74	79	71	75	71	69	71	71	72	73	75	78	90	78	85	82	74	79	80·0
7	79	78	87	86	87	90	90	92	93	91	97	98	98	97	97	97	100	98	98	98	98	99	99	99	98	94·0
8	98	98	99	98	98	97	99	99	99	99	99	99	99	98	99	99	100	99	99	98	98	99	99	99	97	98·7
9	97	97	98	97	95	94	96	91	87	81	86	80	74	82	72	80	78	77	75	70	77	74	85	91	93	84·6
10	93	93	89	95	94	92	92	92	92	93	94	89	80	77	79	80	82	89	92	94	96	98	98	97	97	90·5
11	97	95	97	96	97	98	96	92	95	95	93	94	91	96	91	91	91	87	78	76	67	69	75	64	62	87·6
12	62	62	69	63	72	65	74	70	72	70	65	68	67	68	67	67	66	65	71	72	70	68	74	76	74	68·7
13	74	75	76	69	72	73	72	75	74	72	83	81	79	79	76	79	82	89	93	90	96	94	93	91	93	81·1
14	93	93	92	91	92	92	92	91	91	91	90	92	85	84	82	85	85	84	85	79	87	82	80	79	80	87·1
15	80	78	79	79	77	76	78	82	79	80	80	78	78	76	79	81	88	97	98	99	99	98	98	99	99	85·3
16	99	98	99	100	100	100	100	100	100	99	100	96	98	97	99	100	100	99	99	100	100	99	98	100	100	99·2
17	100	99	99	98	100	96	97	98	99	97	99	97	90	86	86	87	88	85	86	86	87	87	84	85	84	92·0
18	84	85	84	85	85	88	87	85	87	84	87	87	86	86	87	87	89	88	89	86	86	84	87	88	90	86·4
19	90	92	92	93	94	92	91	88	90	88	88	86	84	81	82	82	86	89	87	87	89	87	86	84	86	87·8
20	86	92	89	85	91	89	86	87	93	89	88	87	86	84	86	83	87	87	85	86	87	88	87	87	86	87·3
21	86	87	87	81	84	84	87	83	85	88	84	92	98	97	97	97	97	89	87	85	83	84	91	91	93	88·6
22	93	94	97	93	95	94	96	93	98	98	96	95	95	97	88	87	90	91	90	92	95	93	96	94	93	93·8
23	93	93	94	91	93	96	92	92	94	91	91	92	87	81	82	86	88	89	94	95	97	98	98	96	98	91·9
24	98	97	98	98	98	89	88	85	83	85	80	77	78	82	82	87	90	90	89	88	80	88	89	89	96	87·8
25	96	88	93	91	93	89	89	91	95	96	96	97	96	96	95	93	96	91	90	93	97	97	98	99	99	94·0
26	99	99	99	97	99	98	98	94	97	96	98	96	97	97	97	98	95	89	86	82	81	83	84	82	80	93·0
27	80	79	83	79	81	82	86	85	89	91	92	90	89	89	90	90	88	91	94	96	94	98	96	96	96	89·0
28	96	94	91	90	90	89	93	88	90	89	88	85	84	84	83	83	83	84	83	84	84	82	81	91	93	87·0
29	93	95	95	93	95	96	98	96	93	92	91	89	83	80	77	75	79	75	77	79	80	79	80	79	78	85·9
30	78	75	75	77	77	79	79	80	80	78	76	74	73	72	70	70	76	73	76	79	74	67	62	62	67	74·0
31	67	65	68	73	74	73	73	75	74	74	72	70	68	67	66	66	65	62	65	64	65	67	64	61	62	68·2
Mean ...	87·4	87·1	87·9	87·1	88·2	87·4	87·7	87·1	88·5	87·7	87·9	86·7	85·1	84·5	83·7	84·5	86·1	85·6	86·0	86·2	86·0	85·8	86·4	86·0	86·5	86·5
Normals 1886–1910.	86·7	86·6	87·1	87·1	87·3	87·2	87·3	87·4	87·2	86·9	86·9	86·2	85·4	84·4	84·1	84·3	84·7	85·6	86·1	86·3	86·4	86·7	86·5	86·5	86·7	86·3

[Price Sixpence.]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** JANUARY, 1911.

Barometer Cistern, 34 feet above Mean Sea Level. Thermometers, 10 feet above Ground. Sunshine Recorder, 47 feet above Ground. Rain-gauge, 1 foot 9 inches above Ground; 20 feet above Mean Sea Level. Cups of Anemometer, 70 feet above Ground.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time.
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{ 1+...+23+\frac{1}{2}(0+24) \right\}$

(For Tables for the reduction of the Observations to Sea Level and Latitude 45°, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE AND TEMPERATURE. JANUARY, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	ins.	ins.	°	°		ins.	ins.	°	°		ins.	ins.	°	°		ins.	ins.	°	°
1	0·339	0·057	46·6	34·0	9	0·415	0·191	50·1	39·3	17	**0·754**	0·703	43·5	38·8	25	0·295	0·211	48·7	43·6
2	0·090	9·775	38·9	34·0	10	0·558	0·318	43·3	35·2	18	0·753	0·676	43·3	41·0	26	0·433	0·258	**50·4**	46·7
3	0·205	9·728	39·8	33·7	11	0·318	9·351	45·6	36·7	19	0·676	0·577	41·0	36·3	27	0·449	0·397	47·6	43·6
4	0·185	0·085	41·2	37·0	12	9·956	**9·338**	45·1	33·6	20	0·579	0·375	39·1	34·4	28	0·482	0·419	48·7	30·7
5	0·085	0·033	39·3	35·9	13	0·265	9·954	38·0	30·9	21	0·375	0·198	39·0	37·5	29	0·434	0·297	41·9	29·1
6	0·033	9·707	42·2	34·8	14	0·393	0·247	39·3	28·7	22	0·382	0·215	39·0	36·9	30	0·498	0·261	41·9	33·3
7	0·314	9·911	40·7	32·3	15	0·461	0·389	38·9	24·0	23	0·407	0·349	39·3	34·6	31	0·700	0·495	35·3	29·6
8	0·329	0·280	49·0	39·6	16	0·708	0·459	45·0	**23·3**	24	0·401	0·290	45·3	31·0	Mean.	—	—	42·8	34·8

TABLE II.

KEW. PRESSURE IN ENGLISH INCHES, First figure omitted. JANUARY, 1911.

The readings are corrected for temperature, but are not reduced to Mean Sea Level nor corrected for the effect of gravity.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1	0·339	0·322	0·301	0·273	0·233	0·191	0·166	0·153	0·133	0·115	0·106	0·076	0·060	0·066	0·072	0·078	0·100	0·114	0·122	0·131	0·126	0·118	0·115	0·104	0·090	0·145
2	0·090	0·079	0·068	0·050	0·019	9·996	9·977	9·971	9·964	9·950	9·932	9·911	9·883	9·874	9·851	9·841	9·839	9·839	9·835	9·827	9·814	9·801	9·795	9·791	9·775	9·910
3	9·775	9·765	9·746	9·731	9·730	9·762	9·821	9·880	9·929	9·975	0·019	0·041	0·067	0·086	0·111	0·135	0·155	0·169	0·181	0·196	0·198	0·197	0·191	0·187	0·185	0·010
4	0·185	0·178	0·182	0·171	0·161	0·140	0·143	0·143	0·141	0·133	0·130	0·127	0·118	0·103	0·103	0·103	0·095	0·104	0·103	0·107	0·107	0·098	0·095	0·088	0·085	0·125
5	0·085	0·077	0·078	0·078	0·070	0·058	0·060	0·066	0·073	0·080	0·077	0·069	0·055	0·042	0·037	0·047	0·065	0·071	0·060	0·059	0·059	0·059	0·049	0·038	0·033	0·062
6	0·033	0·011	9·997	9·987	9·949	9·927	9·910	9·884	9·863	9·839	9·809	9·781	9·759	9·734	9·722	9·711	9·711	9·710	9·727	9·752	9·791	9·827	9·865	9·889	9·911	9·839
7	9·911	9·941	9·978	9·997	0·022	0·045	0·071	0·112	0·139	0·167	0·196	0·207	0·220	0·220	0·235	0·254	0·268	0·273	0·285	0·292	0·310	0·310	0·304	0·307	0·302	0·177
8	0·302	0·290	0·296	0·296	0·294	0·292	0·303	0·316	0·318	0·310	0·322	0·308	0·305	0·303	0·287	0·285	0·282	0·289	0·304	0·308	0·321	0·318	0·321	0·323	0·323	0·304
9	0·323	0·323	0·315	0·321	0·315	0·303	0·289	0·287	0·284	0·275	0·276	0·258	0·234	0·207	0·197	0·191	0·194	0·236	0·275	0·298	0·347	0·365	0·381	0·392	0·415	0·289
10	0·415	0·418	0·449	0·471	0·473	0·482	0·495	0·501	0·518	0·551	0·553	0·544	0·528	0·520	0·522	0·517	0·507	0·498	0·497	0·484	0·456	0·424	0·396	0·357	0·318	0·480
11	0·318	0·277	0·244	0·200	0·139	0·081	0·024	9·984	9·945	9·914	9·876	9·846	9·792	9·737	9·692	9·652	9·620	9·587	9·547	9·510	9·490	9·446	9·410	9·368	9·351	9·821
12	9·351	9·341	9·351	9·360	9·350	9·378	9·418	9·456	9·489	9·524	9·579	9·614	9·647	9·657	9·678	9·698	9·747	9·766	9·806	9·824	9·860	9·886	9·915	9·933	9·956	9·601
13	9·956	9·979	0·014	0·032	0·063	0·082	0·114	0·124	0·146	0·160	0·189	0·198	0·196	0·198	0·196	0·197	0·213	0·221	0·227	0·239	0·246	0·250	0·247	0·261	0·257	0·162
14	0·257	0·249	0·257	0·257	0·259	0·258	0·270	0·279	0·298	0·304	0·323	0·317	0·327	0·321	0·327	0·327	0·337	0·340	0·357	0·360	0·365	0·369	0·373	0·388	0·393	0·316
15	0·393	0·392	0·393	0·389	0·392	0·391	0·391	0·397	0·401	0·408	0·416	0·417	0·409	0·398	0·389	0·397	0·409	0·409	0·419	0·423	0·426	0·437	0·447	0·455	0·461	0·410
16	0·461	0·471	0·463	0·463	0·475	0·480	0·523	0·537	0·559	0·583	0·589	0·593	0·599	0·590	0·597	0·609	0·631	0·653	0·666	0·671	0·689	0·700	0·701	0·705	0·708	0·589
17	0·708	0·707	0·709	0·713	0·712	0·703	0·711	0·717	0·723	0·739	0·752	0·749	0·734	0·720	0·721	0·707	0·715	0·716	0·731	0·729	0·733	0·735	0·747	0·742	0·737	0·724
18	0·737	0·731	0·721	0·719	0·720	0·721	0·721	0·719	0·729	0·739	0·748	0·744	0·722	0·703	0·704	0·694	0·688	0·689	0·687	0·688	0·689	0·686	0·687	0·686	0·676	0·710
19	0·676	0·664	0·644	0·633	0·616	0·614	0·612	0·624	0·626	0·630	0·635	0·633	0·623	0·613	0·597	0·589	0·582	0·579	0·585	0·577	0·585	0·586	0·588	0·584	0·579	0·610
20	0·579	0·577	0·568	0·559	0·549	0·543	0·539	0·540	0·541	0·547	0·546	0·541	0·528	0·504	0·478	0·459	0·449	0·438	0·432	0·432	0·429	0·421	0·411	0·395	0·375	0·496
21	0·375	0·356	0·341	0·326	0·312	0·303	0·292	0·282	0·286	0·286	0·278	0·270	0·259	0·240	0·229	0·220	0·205	0·200	0·206	0·212	0·219	0·225	0·221	0·215	0·216	0·262
22	0·216	0·215	0·220	0·225	0·223	0·225	0·235	0·256	0·279	0·289	0·305	0·322	0·310	0·316	0·318	0·318	0·330	0·344	0·361	0·363	0·364	0·368	0·372	0·374	0·382	0·301
23	0·382	0·378	0·370	0·366	0·360	0·354	0·355	0·353	0·356	0·372	0·384	0·393	0·384	0·374	0·373	0·369	0·381	0·379	0·383	0·386	0·392	0·384	0·395	0·404	0·399	0·377
24	0·399	0·389	0·387	0·379	0·375	0·373	0·377	0·379	0·383	0·385	0·388	0·385	0·358	0·349	0·339	0·338	0·333	0·321	0·321	0·327	0·324	0·309	0·305	0·297	0·293	0·353
25	0·293	0·295	0·286	0·259	0·253	0·252	0·256	0·245	0·253	0·255	0·243	0·252	0·246	0·241	0·233	0·225	0·220	0·223	0·229	0·231	0·246	0·256	0·260	0·254	0·260	0·250
26	0·260	0·264	0·269	0·272	0·278	0·290	0·300	0·324	0·346	0·355	0·370	0·383	0·383	0·379	0·378	0·375	0·384	0·391	0·408	0·412	0·424	0·427	0·433	0·431	0·431	0·359
27	0·431	0·425	0·426	0·419	0·421	0·419	0·423	0·426	0·437	0·442	0·445	0·443	0·437	0·434	0·423	0·408	0·399	0·412	0·407	0·407	0·413	0·409	0·416	0·416	0·425	0·422
28	0·425	0·429	0·426	0·421	0·424	0·421	0·431	0·434	0·447	0·457	0·469	0·478	0·476	0·458	0·443	0·436	0·433	0·433	0·434	0·433	0·442	0·446	0·445	0·439	0·434	0·441
29	0·434	0·432	0·432	0·426	0·417	0·413	0·413	0·402	0·405	0·404	0·413	0·414	0·402	0·381	0·359	0·346	0·343	0·340	0·339	0·327	0·319	0·309	0·297	0·301	0·299	0·375
30	0·299	0·289	0·284	0·269	0·261	0·265	0·271	0·277	0·293	0·299	0·312	0·315	0·315	0·313	0·322	0·328	0·349	0·368	0·392	0·403	0·424	0·445	0·470	0·487	0·495	0·339
31	0·495	0·503	0·517	0·525	0·529	0·541	0·557	0·572	0·595	0·615	0·623	0·625	0·627	0·630	0·623	0·615	0·623	0·631	0·641	0·657	0·667	0·673	0·681	0·690	0·697	0·607
Mean...	·2872	·2828	·2817	·2770	·2708	·2678	·2732	·2787	·2871	·2936	·3001	·2985	·2904	·2810	·2760	·2732	·2776	·2820	·2893	·2924	·2992	·2995	·3011	·3000	·2987	·2861
Normals 1871–1910.	·9976	·9932	·9941	·9921	·9878	·9841	·9849	·9890	·9973	·0039	·0102	·0099	·9992	·9886	·9826	·9831	·9861	·9885	·9927	·9960	·9992	·9998	·0001	·9991	·9969	·9942

(19735—375.)

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.)

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	21	4	21	7	21	7	21	7	21	8	21	9	21	10	21	12	21	11	22	7	24	7	26	10
2	29	12	29	11	29	11	28	12	28	12	29	14	28	13	28	12	27	12	29	15	29	14	29	12
3	28	9	26	6	—	2	1	4	3	6	7	15	7	9	4	10	5	12	7	12	7	14	6	15
4	2	13	3	12	2	15	1	13	32	12	1	13	1	15	2	14	1	17	2	13	2	15	3	13
5	1	8	1	7	1	6	1	5	1	5	1	7	1	7	1	7	1	5	1	4	1	5	1	5
6	—	3	15	4	15	4	15	4	15	4	15	4	15	6	15	9	15	9	16	11	17	14	17	18
7	27	4	25	5	18	7	25	6	25	4	25	4	25	4	25	4	—	3	25	4	25	4	25	7
8	18	7	18	8	22	6	19	7	21	6	20	6	20	5	20	7	20	7	22	10	20	12	21	10
9	—	3	22	4	28	5	22	4	22	7	22	6	22	6	22	7	22	8	22	6	22	7	22	7
10	28	7	28	7	28	5	27	7	27	7	27	6	27	7	27	5	27	7	27	5	25	7	26	8
11	18	5	20	7	21	7	19	9	19	14	19	15	20	17	19	18	19	18	19	21	19	19	19	20
12	28	10	31	15	32	10	32	15	1	21	1	29	2	27	1	26	1	23	1	21	1	21	1	23
13	32	15	32	11	32	10	1	8	32	7	32	10	1	12	32	11	32	12	32	11	32	14	32	12
14	—	3	—	3	—	2	—	1	—	2	—	2	—	2	—	2	—	2	—	2	—	2	—	2
15	—	2	—	2	—	1	—	1	—	2	—	2	—	3	—	1	—	1	—	2	—	0	—	2
16	—	0	—	2	—	2	—	0	—	2	—	1	—	2	—	2	—	2	—	2	—	2	—	2
17	—	2	—	2	—	1	—	2	—	2	—	2	—	2	—	3	23	4	—	2	—	2	24	6
18	—	3	—	2	—	3	25	4	25	4	26	4	—	2	26	4	26	4	29	4	—	3	27	4
19	—	3	25	4	25	4	25	4	27	4	—	2	—	2	—	3	—	2	25	4	—	3	22	4
20	—	2	—	2	—	2	—	1	—	2	—	3	—	2	—	2	—	2	—	2	—	1	—	2
21	—	0	—	2	—	2	—	3	—	3	19	4	19	4	—	2	—	2	—	3	—	3	22	4
22	—	3	27	4	27	4	—	3	—	2	—	0	—	1	—	2	—	2	—	2	—	2	—	3
23	—	1	—	1	—	1	—	1	—	1	—	1	—	2	—	2	—	3	—	2	—	2	—	2
24	—	2	—	1	—	3	—	2	—	1	—	2	—	2	—	2	—	2	—	2	—	3	21	7
25	23	11	23	10	22	11	22	11	21	12	21	13	21	12	21	12	21	11	21	13	21	14	21	13
26	23	11	22	10	24	10	22	10	23	10	24	8	23	9	24	8	23	8	23	10	23	10	23	12
27	23	6	22	7	22	10	23	10	23	10	24	8	24	8	23	6	23	6	22	7	22	6	22	10
28	20	4	20	4	—	2	20	4	—	3	—	2	—	3	—	1	—	1	—	2	—	1	—	2
29	—	1	—	1	—	0	—	2	—	1	—	2	11	4	—	3	11	4	—	3	—	0	—	0
30	9	8	8	15	10	13	9	14	10	15	8	14	8	18	7	18	7	18	7	17	6	14	7	23
31	8	18	9	12	10	14	9	13	9	12	10	14	9	13	9	12	9	17	9	18	9	15	9	17
Mean ...	—	5·8	—	6·1	—	5·8	—	6·0	—	6·5	—	7·2	—	7·4	—	7·3	—	7·6	—	7·6	—	7·6	—	8·9
Normals, 1881–1910.	—	7·3	—	7·4	—	7·4	—	7·3	—	7·5	—	7·5	—	7·4	—	7·6	—	7·8	—	8·4	—	9·4	—	9·7

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 4 miles per hour,

KEW. TABLE IV.—RAINFALL IN ENGLISH INCHES. JANUARY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	·02	—	—	—	—	—	—	—	—	—	—	—	—	—	·02
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	·01	—	·04	·03	·03	—	·01	·04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·16
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	·01	—	—	—	—	—	—	—	·02
6	—	—	—	—	—	—	—	—	—	—	·01	·04	·05	·05	·03	·03	·02	·02	—	—	—	—	—	—	·25
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	·01	·01	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·03
9	—	—	·03	·02	·01	·02	·02	·03	·01	—	·01	·01	·01	·01	—	·06	·01	—	—	—	—	—	—	—	·25
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	·03	·01	—	—	—	—	—	—	—	—	—	—	·03	—	—	·09	·04	·20
12	·11	·02	·01	·01	—	—	—	—	—	—	—	—	—	—	—	·01	·01	—	—	—	—	—	—	—	·17
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01	·01
23	·01	·03	·03	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·08
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	·13	·07	·08	·09	·04	·05	·02	·07	·06	—	·03	·02	·05	·06	·05	·10	·06	·02	·02	·03	—	—	·09	·05	1·19
Normals 1871–1910.	·063	·069	·084	·083	·079	·071	·078	·090	·087	·081	·062	·064	·065	·070	·081	·071	·079	·076	·080	·069	·070	·062	·070	·069	1·771

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

AND VELOCITY (V) IN MILES PER HOUR, AS RECORDED BY THE ROBINSON ANEMOMETER. JANUARY, 1911.

13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
30	11	1	11	1	11	32	7	32	6	1	4	1	4	—	3	30	6	30	10	29	10	29	12	8	1
30	17	31	15	30	16	30	13	30	15	31	13	30	12	31	12	31	12	31	11	30	9	30	10	13	2
5	17	5	18	4	15	4	15	3	14	4	13	4	16	2	12	3	11	2	15	1	13	2	12	12	3
3	12	2	12	2	12	3	10	3	12	3	13	4	12	4	12	4	10	4	9	3	7	3	7	12	4
32	6	32	5	1	6	1	4	—	2	—	2	—	2	—	2	—	2	14	4	15	4	—	3	5	5
17	15	17	18	17	14	17	15	17	13	20	9	31	5	32	5	27	5	27	5	27	4	27	4	8	6
25	4	25	4	25	5	25	4	25	4	18	4	18	4	18	6	18	4	18	4	18	7	18	9	5	7
21	10	20	9	21	10	21	10	22	8	20	10	22	8	20	10	20	8	20	6	20	4	22	4	8	8
22	7	22	8	23	5	25	9	1	12	2	6	2	6	30	10	29	7	28	8	28	10	28	4	7	9
27	7	28	6	28	4	27	4	27	4	27	5	21	4	21	4	21	5	21	4	18	6	18	6	6	10
19	21	20	20	19	19	19	20	19	18	19	16	19	20	19	16	18	16	18	12	19	12	23	4	15	11
1	21	32	20	1	21	1	17	32	16	32	18	32	16	32	15	1	14	32	15	32	13	32	12	18	12
32	9	32	11	32	8	31	9	32	5	32	6	—	2	—	3	32	4	32	4	—	2	—	2	8	13
—	2	—	3	—	2	—	2	—	2	—	1	—	1	—	2	—	2	27	4	—	2	—	1	2	14
—	3	—	2	—	2	—	1	—	2	—	3	—	2	—	2	—	2	—	2	—	2	—	2	2	15
—	2	20	4	31	4	1	4	—	2	—	2	—	1	—	1	—	1	—	2	14	4	15	4	2	16
22	5	25	4	24	4	27	4	27	4	27	4	—	2	—	3	25	4	—	3	—	2	—	3	3	17
27	6	28	7	26	4	28	4	29	4	—	3	—	3	25	4	—	2	—	2	—	2	—	2	4	18
26	5	—	3	—	3	—	3	—	3	—	2	—	3	—	1	—	2	—	2	—	2	—	2	3	19
—	1	—	1	—	0	—	0	—	0	—	2	26	4	15	5	15	4	—	2	—	3	—	1	2	20
—	3	24	5	25	5	26	4	—	3	—	3	—	3	—	3	—	2	—	2	—	2	—	2	3	21
—	2	—	2	—	1	—	0	—	0	—	1	—	2	14	5	14	5	—	3	14	4	—	2	2	22
18	4	23	4	23	4	23	4	—	2	—	1	—	1	—	2	—	2	—	2	—	3	—	2	2	23
22	8	23	9	23	9	21	10	21	9	20	10	20	12	20	13	20	13	20	12	20	14	22	12	7	24
23	12	23	12	20	10	21	10	20	10	20	10	22	9	22	8	22	10	22	7	20	10	22	11	11	25
24	11	24	10	23	12	23	12	23	12	25	10	24	10	23	10	23	10	24	10	23	9	22	8	10	26
22	8	21	8	25	4	23	5	23	7	24	4	—	3	24	5	19	8	20	6	20	4	20	5	7	27
—	2	—	2	—	2	—	2	—	0	—	2	—	2	—	3	—	1	—	0	—	0	—	0	2	28
—	1	—	0	—	0	—	3	8	4	8	4	8	9	9	10	10	7	9	10	9	11	9	9	4	29
7	23	7	18	7	21	7	21	8	20	8	21	8	20	8	18	8	20	8	18	8	18	9	16	18	30
9	18	7	15	8	15	7	14	6	12	7	13	6	15	6	12	6	10	6	7	6	5	—	3	13	31
—	8·8	—	8·6	—	8·0	—	7·7	—	7·3	—	6·9	—	6·9	—	7·0	—	6·7	—	6·5	—	6·4	—	5·6	7·1	Normals 1881–1910.
—	9·7	—	9·7	—	9·2	—	8·5	—	8·4	—	8·2	—	8·3	—	8·2	—	8·0	—	7·9	—	7·6	—	7·6	8·2	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JANUARY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fine to dull; clearing in evening.
2	—	—	—	—	—	—	—	—	·1	·4	·5	—	—	—	—	—	—	1·0	Cloudy, with fine intervals; ✳ about 15h.
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ● and ✳, to fair.
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Very cloudy.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rather dull and misty.
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day, with ≋ and ●.
7	—	—	—	—	—	—	·7	1·0	·8	·8	1·0	·4	—	—	—	—	—	4·7	Fine.
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋ and ●; overcast throughout.
10	—	—	—	—	—	·6	1·0	1·0	1·0	1·0	·8	—	—	—	—	—	—	5·4	Fine day; ☂ in evening.
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast; ●☾ at night.
12	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	0·1	Dull; ⸗ and ✳ at times.
13	—	—	—	—	—	—	—	—	·6	·8	·9	·3	—	—	—	—	—	2·6	Fair to fine.
14	—	—	—	—	—	—	·4	1·0	·9	1·0	1·0	·3	—	—	—	—	—	4·6	Fine throughout, but ≋.
15	—	—	—	—	—	—	—	·5	·9	1·0	·9	·1	—	—	—	—	—	3·4	Fine most of day; fog at night; cold.
16	—	—	—	—	—	—	—	·8	1·0	·2	—	—	—	—	—	—	—	2·0	Foggy, with clear interval between 10h. [and 14h.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty, to fair.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy day, with fog P.M.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day; damp air.
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and gloomy; ≋.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●☾ early; overcast and ≋.
24	—	—	—	—	—	—	—	·8	1·0	1·0	·4	·5	—	—	—	—	—	3·7	Thick fog till after 10h., then fine.
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fair.
26	—	—	—	—	—	·9	·8	·4	·5	·5	—	—	—	—	—	—	—	3·1	Fine to cloudy; Wly. breeze.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
28	—	—	—	—	—	·3	·9	1·0	·9	1·0	1·0	1·0	·2	—	—	—	—	6·3	Fine throughout.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Foggy all day.
30	—	—	—	—	—	—	·5	1·0	1·0	1·0	1·0	·7	—	—	—	—	—	5·2	Fine day, with ⸗ from E. in afternoon.
31	—	—	—	—	—	·8	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	—	—	6·3	Fine.
	—	—	—	—	—	2·6	5·3	8·5	9·7	9·7	8·6	3·8	0·2	—	—	—	—	48·4	Total.
	—	—	—	—	0·06	2·50	5·86	7·22	8·12	7·99	7·38	3·88	0·18	—	—	—	—	43·18	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE IN DEGREES FAHRENHEIT.—DRY-BULB. JANUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	41·3	40·9	40·9	41·0	40·3	39·6	40·3	42·7	42·8	43·3	43·9	44·9	45·8	45·4	44·0	42·4	40·5	38·7	37·2	36·4	35·3	34·3	34·2	34·2	34·8	40·3
2	34·8	34·6	34·6	34·5	34·0	34·2	34·6	34·7	35·0	35·2	35·5	36·8	37·1	38·2	38·0	38·0	37·9	38·3	38·0	37·9	38·0	38·0	37·3	37·1	36·3	36·4
3	36·3	36·5	34·9	33·8	35·4	34·6	35·6	36·2	36·5	35·0	37·1	38·6	38·6	39·4	39·4	39·6	38·3	38·0	37·7	37·9	37·7	37·6	37·4	37·9	38·0	37·1
4	38·0	38·0	38·0	38·1	38·0	37·6	37·9	38·6	39·0	39·2	39·9	40·3	40·6	41·1	40·3	41·0	40·0	40·1	39·6	39·4	39·0	39·0	38·8	38·0	37·0	39·1
5	37·0	37·0	37·0	36·3	36·0	36·8	36·1	36·4	36·6	36·9	37·4	38·0	38·4	38·3	38·4	38·8	38·9	39·0	38·9	39·0	39·0	39·0	38·6	38·5	38·6	37·8
6	38·6	38·2	38·0	38·3	37·5	36·9	37·3	37·2	37·7	38·9	40·9	42·1	41·3	40·7	40·4	40·3	40·0	40·5	41·0	40·2	40·6	39·0	37·3	36·0	34·8	39·0
7	34·8	34·4	34·0	33·2	34·2	34·0	32·9	33·2	33·2	33·0	33·1	36·3	38·2	39·1	40·2	40·6	38·9	37·7	36·0	35·2	35·0	35·4	36·3	38·0	39·6	35·8
8	39·6	40·5	41·3	42·3	43·2	43·9	44·3	44·6	45·0	45·7	46·5	47·1	47·0	47·4	47·7	48·2	48·3	48·1	48·3	48·1	48·4	48·9	48·5	48·6	48·4	46·1
9	48·4	48·2	48·1	47·9	47·9	48·0	48·0	48·0	48·0	48·4	48·9	49·0	49·8	50·0	50·0	49·9	49·3	45·3	44·4	44·3	43·0	41·1	40·1	39·9	39·3	46·7
10	39·3	39·0	38·3	38·2	37·6	37·3	36·9	36·0	35·7	35·9	37·9	39·0	40·6	42·9	43·1	42·4	41·3	40·3	39·8	38·7	38·2	37·6	37·0	37·1	36·7	38·7
11	36·7	37·6	38·7	38·6	39·5	41·2	41·7	42·3	42·8	42·7	43·0	43·3	43·9	44·3	44·7	44·7	44·9	45·1	45·1	45·5	45·0	45·1	45·1	45·6	45·1	43·0
12	45·1	43·5	40·3	37·7	38·2	38·5	38·9	38·9	39·9	40·0	39·7	39·1	38·0	38·6	37·9	38·3	37·3	35·0	35·2	35·0	35·1	35·0	33·6	34·1	34·4	37·8
13	34·4	34·6	34·0	34·3	34·0	33·9	34·0	35·5	35·3	35·9	36·0	36·4	36·2	37·0	37·6	37·7	36·9	35·9	34·7	34·3	33·9	33·3	32·9	32·0	30·9	35·0
14	30·9	31·1	31·2	31·6	31·6	31·1	31·4	30·6	29·3	30·1	31·3	33·9	36·0	37·9	38·9	38·5	37·1	34·1	32·0	31·4	30·6	30·2	30·0	29·4	29·0	32·5
15	29·0	27·3	28·6	28·5	29·1	30·2	30·7	30·8	29·5	29·4	30·5	33·0	35·6	37·5	38·9	38·6	37·3	35·1	32·3	30·7	30·3	27·3	24·9	27·2	25·3	31·3
16	25·3	24·0	24·0	25·6	26·0	29·0	30·0	31·4	32·2	33·0	34·1	35·4	37·6	40·8	42·1	45·0	44·3	41·8	39·0	39·0	39·1	39·3	39·4	40·4	40·7	35·2
17	40·7	40·6	40·1	39·7	39·6	39·3	39·1	39·1	39·1	39·6	40·1	41·1	41·7	43·0	43·4	43·0	42·8	42·3	42·1	42·0	42·0	42·1	42·0	41·9	41·8	41·1
18	41·8	41·6	41·6	42·0	41·7	42·2	41·8	42·0	42·0	42·2	42·4	42·9	43·0	43·1	43·0	43·1	42·9	42·1	41·7	41·6	41·4	41·3	41·1	41·0	41·0	42·0
19	41·0	40·9	40·4	40·6	40·2	40·0	39·7	39·4	39·0	38·6	38·3	38·9	38·7	38·8	38·0	37·9	37·8	37·9	37·9	37·3	37·0	37·3	37·0	36·6	36·3	38·6
20	36·3	36·0	35·4	35·4	34·9	35·1	35·0	34·8	34·6	34·7	35·0	35·7	36·7	37·0	37·7	38·4	38·6	38·7	38·8	39·0	38·5	38·3	38·1	38·2	38·3	36·8
21	38·3	38·1	38·0	38·0	38·0	38·1	37·9	37·7	37·9	38·0	38·4	39·0	38·9	38·9	38·6	38·6	38·1	38·2	38·1	38·3	38·5	38·6	38·4	38·4	38·3	38·3
22	38·3	38·3	38·0	38·2	37·8	37·9	38·0	38·4	38·4	38·5	38·6	38·9	38·6	38·6	38·3	38·3	38·2	37·9	38·2	38·2	38·2	37·9	37·4	37·2	37·0	38·2
23	37·0	36·6	36·3	36·6	36·7	37·0	37·3	37·2	37·4	38·1	37·9	38·0	38·6	39·0	38·4	38·4	37·4	36·2	35·3	35·9	36·1	36·0	35·2	35·3	35·0	37·0
24	35·0	35·3	34·2	33·0	32·0	31·7	31·8	31·6	31·1	32·0	32·1	33·6	39·0	42·4	44·4	44·7	43·7	42·2	42·7	43·0	43·0	43·2	43·4	44·3	44·9	38·1
25	44·9	45·0	44·9	44·8	44·6	44·2	44·1	43·7	43·7	44·1	45·4	46·7	47·3	48·0	47·9	48·0	48·2	47·8	47·6	47·6	47·5	47·0	47·1	47·8	48·6	46·2
26	48·6	49·1	49·0	49·3	49·4	49·1	48·0	47·2	46·9	47·5	49·0	49·7	49·7	50·0	50·2	50·1	49·5	48·9	48·5	48·6	48·3	48·4	48·0	48·0	47·7	48·8
27	47·7	47·3	47·2	46·8	46·3	45·9	45·0	44·6	44·5	44·3	44·6	45·1	45·0	44·6	44·5	44·9	45·0	45·2	45·0	44·8	44·6	44·7	44·3	44·0	43·6	45·2
28	43·6	41·8	40·3	39·3	38·7	36·6	37·2	36·1	34·9	35·2	36·3	41·6	44·9	47·7	48·0	48·6	48·0	44·0	41·5	40·0	37·7	37·0	34·1	32·0	30·7	39·9
29	30·7	29·9	29·2	29·7	29·9	31·1	33·0	34·3	34·0	35·0	35·0	37·0	37·8	38·2	35·5	34·9	34·8	37·9	39·0	40·9	41·4	41·8	41·8	41·1	41·0	35·8
30	41·0	41·4	41·5	40·9	40·2	40·3	39·9	39·0	38·2	38·1	38·0	39·2	39·0	38·8	38·8	38·2	37·0	36·0	35·5	35·3	35·3	35·0	34·7	34·0	33·3	38·0
31	33·3	32·9	32·2	31·9	31·3	31·0	30·7	30·3	30·1	30·9	31·4	32·8	34·1	34·9	34·9	34·8	33·9	33·0	32·9	33·0	32·4	32·2	31·7	31·3	29·6	32·3
Mean ...	38·3	38·1	37·7	37·6	37·5	37·6	37·7	37·8	37·8	38·0	38·7	39·8	40·6	41·3	41·4	41·5	40·9	40·0	39·5	39·3	39·0	38·7	38·2	38·2	37·9	39·0
Normals 1871–1910.	38·1	38·0	37·8	37·8	37·6	37·6	37·5	37·5	37·4	37·9	38·7	39·9	40·7	41·4	41·7	41·6	40·9	40·2	39·6	39·3	38·9	38·8	38·5	38·4	38·1	39·0

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JANUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	87	87	87	85	87	87	88	86	86	85	85	88	89	83	65	65	68	67	69	69	70	67	64	63	63	77·8
2	63	60	60	60	60	59	60	62	65	66	67	65	68	70	75	74	76	73	75	75	75	74	76	74	77	68·3
3	77	77	84	87	90	88	87	85	87	89	87	78	75	74	71	68	73	71	68	70	71	71	75	77	77	78·4
4	77	75	74	72	73	78	77	79	80	81	80	81	81	79	85	78	79	81	81	81	81	77	78	83	87	79·0
5	87	85	83	89.	89	86	89	88	86	86	86	85	86	90	93	91	93	92	93	93	93	92	92	92	94	89·3
6	94	95	95	94	94	92	93	92	90	89	83	77	84	87	89	89	90	90	91	90	87	86	89	85	85	89·2
7	85	85	85	87	83	83	84	83	81	86	87	82	77	79	77	74	84	83	86	88	86	85	83	83	87	83·2
8	87	94	96	96	96	95	97	96	99	97	96	95	95	94	95	95	95	95	96	96	96	94	93	92	93	95·2
9	93	95	94	95	95	96	96	97	97	96	95	95	94	94	94	94	97	90	87	88	73	79	82	80	82	91·3
10	82	80	81	81	78	80	80	81	82	79	76	77	74	72	70	76	78	81	82	85	85	86	87	85	85	80·0
11	85	85	86	86	86	82	80	80	79	84	83	82	84	84	87	87	88	87	90	89	93	92	93	94	93	86·3
12	93	88	85	85	87	83	76	73	68	64	65	69	71	72	72	67	73	80	76	73	71	74	83	78	76	75·7
13	76	75	79	78	79	77	76	80	82	81	81	79	81	76	73	72	73	70	71	72	72	70	72	70	72	75·5
14	72	66	66	67	68	75	70	75	78	73	69	67	61	58	59	59	66	75	83	81	82	86	82	82	82	71·9
15	82	82	84	84	85	81	81	80	85	83	84	79	79	78	78	79	84	85	89	90	89	84	79	87	83	83·0
16	83	78	78	79	78	82	83	82	85	82	78	78	78	80	79	74	78	86	91	90	89	88	88	82	79	82·0
17	79	80	82	84	86	86	88	88	90	87	90	87	88	82	80	83	86	88	90	88	89	87	89	89	91	86·3
18	91	90	91	89	90	87	86	82	82	81	81	78	78	77	78	77	80	80	83	81	82	82	84	83	83	82·9
19	83	82	84	82	83	84	84	86	84	85	85	86	85	84	83	83	84	85	85	87	89	89	89	90	89	85·1
20	89	89	90	90	91	90	90	89	91	87	89	88	89	90	88	89	92	91	93	93	92	92	92	92	93	90·4
21	93	93	93	92	93	93	92	90	92	91	92	91	90	90	91	90	90	90	90	91	91	91	88	92	90	91·1
22	90	88	88	88	89	87	85	82	81	80	80	84	84	84	81	84	82	86	84	84	82	82	86	84	88	84·3
23	88	94	94	93	94	93	95	93	94	92	92	94	92	87	88	88	88	89	92	92	91	92	92	92	94	91·8
24	94	92	91	90	91	91	90	88	88	88	88	87	87	89	80	80	82	87	86	86	86	86	87	84	86	87·3
25	86	85	84	79	78	80	80	80	81	81	80	80	78	76	80	81	84	85	85	84	86	92	93	89	84	82·8
26	84	84	86	84	85	84	87	88	88	84	79	77	80	79	79	79	82	80	82	82	84	82	83	82	84	82·7
27	84	84	86	86	78	73	78	75	75	75	74	73	72	72	70	72	76	73	78	79	80	82	82	80	82	77·3
28	82	86	90	92	91	95	93	90	94	92	94	86	79	75	77	75	77	84	91	94	95	92	94	89	90	88·0
29	90	85	86	85	85	88	94	94	90	90	94	93	93	95	95	92	93	94	92	85	87	81	81	86	88	89·5
30	88	87	88	82	83	80	77	81	82	80	78	75	73	69	69	69	68	68	67	65	63	62	60	60	59	73·3
31	59	57	60	60	57	56	55	52	51	51	50	52	54	53	54	56	62	59	61	58	63	66	67	69	74	57·9
Mean ...	84·0	83·3	84·2	83·9	83·9	83·6	83·6	83·1	83·6	82·7	82·2	80·9	80·6	79·7	79·2	78·7	81·3	82·1	83·5	83·2	83·0	82·7	83·3	82·8	83·5	82·5
Normals 1886-1910.	86·8	86·6	86·9	86·8	86·8	86·5	87·1	87·0	87·1	86·4	85·6	82·9	81·6	79·7	79·5	79·6	81·5	82·7	84·0	84·6	85·4	85·4	86·2	86·1	86·7	84·7

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** JANUARY, 1911.

Barometer Cistern, 778 feet above Mean Sea Level. Thermometers, 2 feet 8 ins. above Ground. Sunshine Recorder, 5 feet above Ground. Rain-gauge, 1 foot above Ground; 799 feet above Mean Sea Level. Vane of Anemometer, 50 feet above Ground.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time.

WIND.—

Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.

RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.

SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.

TEMPERATURE.—Dry Bulb at each hour, G.M.T.

RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the reduction of the Observations to Sea Level and Latitude 45°, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE and TEMPERATURE. JANUARY, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	ins.	ins.	°	°		ins.	ins.	°	°		ins.	ins.	°	°		ins.	ins.	°	°
1	9·359	9·057	46·6	29·7	9	9·461	9·310	39·6	32·1	17	9·745	9·620	46·9	40·7	25	9·083	8·971	49·4	41·2*
2	9·332	9·197	39·0	32·4	10	9·575	9·103	39·4	34·0	18	9·789	9·729	44·7	39·0	26	9·339	9·082	**50·9**	44·2
3	9·567	9·259	35·9	24·5	11	9·103	**8·425**	45·9	28·5	19	9·759	9·661	39·8	37·3	27	9·413	9·317	44·9	41·6
4	9·553	9·349	34·9	26·7	12	9·380	8·792	33·1	28·5	20	9·661	9·443	40·0	32·4	28	9·524	9·409	44·3	38·3
5	9·349	8·952	35·0	28·6	13	9·448	9·356	35·6	24·0	21	9·443	9·236	39·3	32·4	29	9·484	9·435	41·0	35·1
6	9·024	8·538	37·8	30·0	14	9·412	9·337	39·9	33·8	22	9·526	9·276	38·5	34·5	30	9·715	9·464	39·2	29·0*
7	9·247	9·024	41·8	23·2	15	9·418	9·332	42·1	36·7	23	9·501	9·333	40·0	35·4	31	**9·876**	9·715	39·0*	**18·0***
8	9·353	9·135	46·8	37·2	16	9·712	9·371	43·1	31·7	24	9·334	9·017	42·3*	26·8*	Mean	—	—	41·2	32·5

* Eye observations.

TABLE II.

ESKDALEMUIR. PRESSURE IN ENGLISH INCHES, First figure omitted. JANUARY, 1911.

The readings are corrected for temperature, but are not reduced to Mean Sea Level nor corrected for the effect of gravity.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1	9·130	9·092	9·073	9·063	9·091	9·141	9·182	9·210	9·249	9·282	9·302	9·315	9·318	9·311	9·294	9·308	9·318	9·326	9·340	9·356	9·359	9·353	9·348	9·337	9·332	9·258
2	9·332	9·319	9·319	9·311	9·292	9·281	9·281	9·281	9·279	9·270	9·243	9·239	9·226	9·224	9·216	9·213	9·208	9·199	9·207	9·201	9·205	9·214	9·227	9·240	9·259	9·250
3	9·259	9·272	9·289	9·297	9·311	9·317	9·340	9·373	9·407	9·431	9·445	9·461	9·477	9·493	9·502	9·504	9·523	9·528	9·556	9·558	9·556	9·564	9·563	9·560	9·553	9·447
4	9·553	9·550	9·548	9·549	9·537	9·524	9·522	9·522	9·527	9·523	9·542	9·520	9·498	9·481	9·477	9·460	9·455	9·444	9·439	9·417	9·408	9·393	9·374	9·360	9·349	9·480
5	9·349	9·332	9·331	9·321	9·312	9·295	9·284	9·290	9·297	9·305	9·295	9·271	9·259	9·239	9·216	9·205	9·199	9·177	9·151	9·135	9·113	9·080	9·041	8·990	8·952	9·220
6	8·952	8·888	8·848	8·793	8·785	8·692	8·643	8·610	8·573	8·545	8·546	8·560	8·601	8·624	8·653	8·689	8·734	8·756	8·793	8·834	8·882	8·931	8·949	8·987	9·024	8·746
7	9·024	9·057	9·095	9·123	9·139	9·165	9·184	9·204	9·221	9·232	9·247	9·235	9·214	9·186	9·180	9·175	9·159	9·155	9·152	9·161	9·163	9·174	9·183	9·185	9·185	9·171
8	9·185	9·195	9·199	9·197	9·191	9·186	9·200	9·193	9·189	9·190	9·180	9·153	9·137	9·138	9·144	9·150	9·166	9·188	9·222	9·234	9·272	9·313	9·327	9·346	9·352	9·207
9	9·352	9·362	9·370	9·375	9·367	9·357	9·362	9·365	9·359	9·363	9·347	9·340	9·340	9·313	9·313	9·313	9·339	9·361	9·387	9·402	9·430	9·430	9·435	9·442	9·461	9·370
10	9·461	9·473	9·475	9·484	9·479	9·476	9·501	9·513	9·550	9·573	9·575	9·571	9·559	9·521	9·505	9·496	9·482	9·460	9·416	9·382	9·340	9·278	9·219	9·151	9·103	9·448
11	9·103	9·034	8·970	8·890	8·811	8·736	8·691	8·631	8·597	8·518	8·531	8·547	8·513	8·498	8·481	8·483	8·529	8·549	8·579	8·619	8·660	8·703	8·736	8·754	8·792	8·667
12	8·792	8·827	8·860	8·889	8·949	8·980	9·016	9·031	9·052	9·073	9·100	9·139	9·142	9·144	9·132	9·139	9·171	9·193	9·219	9·250	9·294	9·322	9·344	9·366	9·380	9·113
13	9·380	9·389	9·390	9·421	9·418	9·418	9·427	9·429	9·437	9·440	9·437	9·420	9·413	9·409	9·387	9·392	9·389	9·370	9·389	9·380	9·371	9·360	9·361	9·362	9·356	9·399
14	9·356	9·351	9·350	9·337	9·341	9·347	9·350	9·353	9·360	9·366	9·379	9·384	9·384	9·378	9·377	9·380	9·387	9·393	9·398	9·400	9·403	9·410	9·409	9·409	9·412	9·376
15	9·412	9·404	9·416	9·407	9·397	9·395	9·392	9·386	9·385	9·380	9·384	9·373	9·362	9·364	9·359	9·357	9·351	9·353	9·360	9·349	9·360	9·332	9·348	9·364	9·385	9·374
16	9·385	9·384	9·423	9·442	9·480	9·533	9·569	9·599	9·629	9·648	9·679	9·690	9·697	9·694	9·692	9·698	9·706	9·704	9·700	9·696	9·692	9·685	9·686	9·676	9·672	9·622
17	9·672	9·644	9·652	9·634	9·635	9·638	9·644	9·636	9·624	9·641	9·647	9·671	9·685	9·699	9·700	9·689	9·691	9·693	9·693	9·720	9·739	9·727	9·730	9·741	9·736	9·678
18	9·736	9·734	9·738	9·749	9·758	9·748	9·747	9·734	9·753	9·764	9·785	9·789	9·779	9·771	9·767	9·761	9·763	9·763	9·762	9·771	9·769	9·755	9·759	9·759	9·759	9·759
19	9·759	9·751	9·744	9·735	9·723	9·707	9·701	9·707	9·707	9·713	9·715	9·715	9·715	9·723	9·705	9·693	9·686	9·680	9·680	9·680	9·680	9·680	9·680	9·673	9·661	9·704
20	9·661	9·651	9·653	9·637	9·639	9·636	9·624	9·616	9·623	9·620	9·635	9·625	9·607	9·592	9·577	9·561	9·543	9·531	9·531	9·522	9·500	9·492	9·480	9·460	9·443	9·580
21	9·443	9·418	9·408	9·390	9·366	9·348	9·333	9·322	9·312	9·304	9·290	9·273	9·271	9·251	9·253	9·249	9·249	9·245	9·243	9·250	9·267	9·262	9·271	9·285	9·297	9.301
22	9·297	9·286	9·305	9·321	9·339	9·356	9·377	9·395	9·412	9·445	9·459	9·489	9·488	9·490	9·492	9·492	9·492	9·506	9·520	9·525	9·515	9·516	9·517	9·511	9·501	9·444
23	9·501	9·500	9·488	9·476	9·465	9·463	9·453	9·447	9·441	9·441	9·445	9·442	9·425	9·405	9·391	9·380	9·373	9·367	9·370	9·374	9·367	9·358	9·352	9·343	9·334	9·416
24	9·334	9·324	9·310	9·290	9·275	9·261	9·267	9·258	9·254	9·245	9·232	9·228	9·228	9·221	9·175	9·164	9·151	9·129	9·093	9·049	9·020	9·028	9·051	9·077	9·083	9·189
25	9·083	9·071	9·059	9·056	9·053	9·050	9·028	9·023	9·009	9·017	9·016	9·008	9·000	8·989	8·979	8·976	8·987	8·997	9·011	9·020	9·033	9·050	9·071	9·076	9·082	9·028
26	9·082	9·082	9·105	9·128	9·143	9·149	9·177	9·187	9·208	9·227	9·254	9·272	9·284	9·289	9·272	9·273	9·296	9·307	9·317	9·322	9·322	9·303	9·308	9·313	9·317	9·239
27	9·317	9·322	9·329	9·347	9·369	9.372	9·379	9·386	9·374	9·384	9·404	9·408	9·402	9·389	9·373	9·372	9·373	9·370	9·373	9·375	9·381	9·382	9·391	9·401	9·409	9·376
28	9·409	9·427	9·435	9·453	9·463	9·466	9·479	9·481	9·491	9·499	9·509	9·517	9·524	9·522	9·515	9·504	9·493	9·487	9·495	9·488	9·476	9·479	9·485	9·475	9·475	9·484
29	9·475	9·470	9·463	9·469	9·452	9·456	9·449	9·440	9·459	9·464	9·476	9·483	9·476	9·464	9·453	9·444	9·437	9·437	9·436	9·435	9·439	9·437	9·443	9·451	9·464	9·454
30	9·464	9·468	9·477	9·473	9·476	9·480	9·487	9·504	9·522	9·539	9·560	9·576	9·577	9·585	9·585	9·583	9·589	9·600	9·631	9·645	9·660	9·666	9·681	9·698	9·715	9·569
31	9·715	9·721	9·723	9·742	9·732	9·736	9·751	9·760	9·780	9·797	9·798	9·806	9·807	9·799	9·792	9·800	9·811	9·813	9·818	9·832	9·844	9·847	9·859	9·871	9·876	9·793
Mean ...	·3540	·3483	·3498	·3484	·3480	·3455	·3497	·3512	·3574	·3625	·3696	·3716	·3680	·3615	·3535	·3517	·3565	·3575	·3639	·3672	·3716	·3717	·3751	·3762	·3780	·3601
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN MILES PER HOUR AS RECORDED BY THE PRESSURE-TUBE ANEMOMETER. JANUARY, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	38	—	27	—	26	—	27	—	14	—	14	—	12	—	16	—	11	—	17	—	19	—	20
2	—	28	—	26	—	24	—	27	—	30	—	32	—	27	—	30	—	30	—	30	—	30	—	29
3	—	18	—	19	—	24	—	21	—	22	—	17	—	10	—	11	—	4	—	10	—	6	—	8
4	—	3	—	0	—	0	—	3	—	3	—	3	—	3	—	6	—	3	—	6	—	10	—	9
5	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	—	4	—	1
6	—	15	—	13	—	17	—	24	—	25	—	24	—	20	—	13	—	17	—	29	—	32	—	7
7	—	9	—	2	—	7	—	8	—	8	—	8	—	8	—	8	—	0	—	0	—	0	—	12
8	—	11	—	16	—	20	—	20	—	23	—	10	—	17	—	23	—	18	—	22	—	30	—	37
9	—	6	—	1	—	0	—	4	—	4	—	4	—	4	—	0	—	3	—	7	—	10	—	15
10	—	21	—	33	—	31	—	32	—	30	—	23	—	20	—	10	—	7	—	9	—	9	—	11
11	—	24	—	27	—	28	—	33	—	45	—	32	—	37	—	27	—	45	—	37	—	30	—	30
12	—	38	—	38	—	33	—	26	—	26	—	30	—	27	—	25	—	28	—	30	—	23	—	27
13	—	18	—	17	—	18	—	21	—	9	—	0	—	2	—	1	—	4	—	2	—	0	—	6
14	—	9	—	8	—	7	—	5	—	1	—	5	—	5	—	1	—	7	—	5	—	4	—	11
15	—	12	—	12	—	10	—	13	—	13	—	14	—	12	—	19	—	23	—	23	—	29	—	30
16	—	38	—	32	—	30	—	27	—	18	—	7	—	3	—	3	—	5	—	0	—	7	—	9
17	—	27	—	22	—	30	—	31	—	28	—	22	—	29	—	36	—	33	—	33	—	32	—	26
18	—	12	—	14	—	9	—	13	—	11	—	13	—	16	—	13	—	15	—	16	—	16	—	15
19	—	12	—	22	—	17	—	16	—	16	—	15	—	18	—	8	—	8	—	15	—	13	—	14
20	—	13	—	8	—	14	—	18	—	7	—	15	—	10	—	17	—	13	—	13	—	13	—	10
21	—	13	—	14	—	8	—	12	—	11	—	8	—	16	—	18	—	20	—	17	—	22	—	20
22	—	4	—	4	—	4	—	4	—	14	—	13	—	17	—	19	—	16	—	21	—	18	—	19
23	—	13	—	10	—	3	—	2	—	2	—	4	—	4	—	4	—	4	—	2	—	5	—	6
24	—	27	—	24	—	24	—	21	—	29	—	20	—	19	—	20	—	26	—	28	—	24	—	25
25	—	27	—	31	—	31	—	26	—	25	—	31	—	32	—	34	—	32	—	37	—	38	—	33
26	—	34	—	38	—	27	—	28	—	30	—	30	—	30	—	27	—	28	—	32	—	29	—	32
27	—	30	—	33	—	29	—	13	—	17	—	13	—	8	—	21	—	12	—	16	—	14	—	23
28	—	7	—	10	—	3	—	2	—	0	—	4	—	4	—	3	—	8	—	13*	—	13	—	12
29	—	22	—	22	—	13	—	23	—	16	—	13	—	9	—	2	—	11	—	6	—	5	—	5
30	—	4	—	5	—	8	—	8	—	5	—	4	—	9	—	8	—	7	—	12	—	12	—	12
31	—	8	—	8	—	0	—	1	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0
Mean ...	—	17·5	—	17·3	—	16·0	—	16·4	—	15·5	—	13·8	—	13·8	—	13·6	—	14·1	—	15·8	—	15·9	—	16·6
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
—	11	—	24	—	25	—	20	—	20	—	17	—	6	—	14	—	15	—	25	—	25	—	26	20	1
—	25	—	26	—	22	—	24	—	24	—	21	—	26	—	25	—	23	—	23	—	18	—	18	26	2
—	5	—	7	—	4	—	5	—	6	—	1	—	0	—	0	—	1	—	4	—	4	—	1	9	3
—	5	—	6	—	0	—	6	—	7	—	7	—	3	—	3	—	1	—	1	—	1	—	1	4	4
—	1	—	2	—	3	—	7	—	2	—	5	—	11	—	9	—	0	—	11	—	13	—	15	3	5
—	6	—	22	—	18	—	13	—	12	—	17	—	11	—	5	—	7	—	5	—	7	—	7	15	6
—	16	—	17	—	22	—	23	—	17	—	17	—	16	—	17	—	10	—	7	—	6	—	4	10	7
—	32	—	26	—	30	—	27	—	27	—	27	—	34	—	22	—	5	—	3	—	8	—	4	21	8
—	18	—	17	—	23	—	18	—	16	—	14	—	15	—	11	—	23	—	24	—	25	—	25	12	9
—	7	—	14	—	16	—	17	—	13	—	18	—	16	—	12	—	18	—	29	—	34	—	25	19	10
—	24	—	26	—	7	—	18	—	12	—	13	—	24	—	36	—	30	—	34	—	43	—	35	29	11
—	30	—	37	—	37	—	34	—	33	—	31	—	26	—	25	—	20	—	18	—	18	—	14	28	12
—	5	—	16	—	8	—	4	—	13	—	1	—	1	—	2	—	7	—	6	—	9	—	7	7	13
—	9	—	10	—	8	—	11	—	14	—	8	—	6	—	8	—	8	—	5	—	8	—	8	7	14
—	22	—	32	—	24	—	25	—	23	—	17	—	27	—	22	—	37	—	32	—	28	—	36	22	15
—	5	—	7	—	8	—	2	—	4	—	12	—	13	—	9	—	20	—	25	—	24	—	27	14	16
—	15	—	15	—	23	—	17	—	16	—	18	—	14	—	18	—	20	—	18	—	16	—	17	23	17
—	17	—	19	—	16	—	10	—	7	—	19	—	9	—	10	—	17	—	12	—	8	—	13	13	18
—	14	—	7	—	10	—	7	—	11	—	13	—	9	—	12	—	10	—	8	—	13	—	10	12	19
—	7	—	7	—	13	—	7	—	9	—	8	—	12	—	10	—	12	—	12	—	16	—	15	12	20
—	21	—	14	—	10	—	12	—	12	—	12	—	13	—	10	—	8	—	6	—	0	—	0	12	21
—	18	—	17	—	17	—	18	—	14	—	18	—	17	—	15	—	17	—	14	—	13	—	14	14	22
—	7	—	10	—	11	—	10	—	14	—	14	—	17	—	15	—	14	—	18	—	18	—	23	10	23
—	23	—	25	—	30	—	30	—	35	—	40	—	47	—	50	—	46	—	41	—	35	—	32	30	24
—	34	—	36	—	37	—	39	—	35	—	34	—	38	—	35	—	32	—	34	—	31	—	32	33	25
—	28	—	39	—	34	—	33	—	24	—	33	—	24	—	31	—	40	—	41	—	35	—	34	32	26
—	20	—	23	—	21	—	14	—	17	—	16	—	19	—	14	—	18	—	13	—	14	—	10	18	27
—	18	—	17	—	12	—	12	—	22	—	17	—	20	—	20	—	16	—	12	—	18	—	17	12	28
—	4	—	4	—	7	—	5	—	8	—	7	—	6	—	8	—	11	—	7	—	10	—	4	10	29
—	7	—	8	—	10	—	5	—	7	—	7	—	7	—	5	—	7	—	8	—	8	—	8	8	30
—	5	—	6	—	6	—	4	—	1	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	31
—	14·8	—	17·3	—	16·5	—	15·4	—	15·3	—	15·5	—	15·7	—	15·3	—	15·9	—	16·0	—	16·3	—	15·5	15·7	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

ESKDALEMUIR. TABLE IV.—RAINFALL IN ENGLISH INCHES. JANUARY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	·04	·04	·03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·11
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01	·01	·01	·01	·01	—	·05
3	—	·01	—	—	—	—	·01	—	·01	·01	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	·05
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	·07	·13	·25	·24	·10	·06	·05	·03	·03	—	·01	—	—	—	—	—	—	—	·97
7	—	—	—	—	—	—	—	—	—	—	—	·01	·01	—	·02	·02	·02	—	—	—	—	—	—	—	·08
8	—	·01	—	·02	·01	·04	·04	·02	·01	·02	·01	·02	·01	·04	—	—	—	—	—	—	—	—	—	—	·25
9	—	—	·01	—	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·02
10	·01	·01	—	—	—	—	—	—	—	—	—	·01	—	—	—	—	—	—	—	—	·01	·02	·04	·09	·19
11	·09	·11	·06	·05	·12	·12	·13	·10	·03	·01	·05	·02	·01	·15	·06	·02	—	—	—	—	—	—	—	—	1·13
12	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·02	—	·02
14	—	·01	—	·01	—	—	—	—	—	—	—	—	—	·01	—	·01	—	—	—	—	—	—	—	—	·04
15	—	—	—	·01	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	·02	·08	·01	—	—	—	·13
16	—	·01	—	—	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·02
17	—	—	·01	·01	·01	·02	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·06
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	·01	—	—	—	—	—	—	—	—	—	·01	—	—	—	—	—	·02
22	—	—	—	—	—	—	—	—	—	—	—	—	·01	—	—	—	—	·01	—	·01	—	—	—	—	·03
23	—	—	—	—	—	—	—	—	—	—	—	—	·01	—	·01	·04	—	—	—	—	·04	·05	·01	·01	·17
24	·02	·03	·01	·01	·01	·01	—	—	—	·01	—	—	·01	—	—	—	—	·05	·01	·02	·01	—	·01	—	·21
25	·02	—	—	·03	·01	—	·01	—	—	·03	·04	·03	·05	·03	·03	·01	·01	·02	·01	·02	—	—	—	—	·35
26	—	—	—	·01	·01	·01	—	·02	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·06
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·03	·03	·01	—	·07
28	—	—	—	—	—	—	—	·01	—	·01	—	—	—	—	—	—	—	—	·01	—	—	—	—	—	·03
29	—	—	—	—	·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·01
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	·19	·23	·12	·15	·18	·20	·28	·30	·32	·33	·21	·15	·16	·26	·15	·10	·04	·08	·07	·14	·11	·11	·10	·10	4·08
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JANUARY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	·2	—	—	—	·5	1·0	·6	—	—	—	—	—	2·3	
2	—	—	—	—	—	·7	·9	·5	·6	·7	·6	—	—	—	—	—	—	4·0	
3	—	—	—	—	—	—	·4	·5	·5	·3	·7	·6	—	—	—	—	—	3·0	
4	—	—	—	—	—	·3	·3	—	—	—	—	—	—	—	—	—	—	0·6	
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6	—	—	—	—	—	—	—	—	—	·2	·8	—	—	—	—	—	—	1·0	
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9	—	—	—	—	—	—	—	—	·2	·6	·2	·7	—	—	—	—	—	1·7	
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	—	—	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	—	—	6·2	
13	—	—	—	—	—	·3	—	·1	—	·4	—	—	—	—	—	—	—	0·8	
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	·2	·3	—	—	—	—	—	—	—	—	—	0·5	
16	—	—	—	—	—	·4	1·0	1·0	1·0	1·0	·7	—	—	—	—	—	—	5·1	
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	—	—	—	—	—	—	—	—	—	—	—	·2	—	—	—	—	—	0·2	
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	—	—	—	—	—	—	—	—	—	—	·1	·3	—	—	—	—	—	0·4	
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	—	—	—	—	—	·2	·1	·5	1·0	1·0	·2	—	—	—	—	3·0	
31	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	—	—	—	—	7·4	
	—	—	—	—	0·1	3·9	4·8	4·6	4·4	6·2	7·1	4·5	0·6	—	—	—	—	36·2	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE IN DEGREES FAHRENHEIT.—DRY-BULB. JANUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	42·6	42·6	43·1	45·5	41·5	38·4	38·3	35·0	36·7	35·0	34·3	34·0	34·7	34·8	36·0	34·8	33·4	33·0	32·2	30·9	32·0	32·3	33·8	34·2	34·0	36·0
2	34·0	33·1	33·0	32·9	33·1	33·3	33·4	33·9	34·8	34·9	36·5	37·3	37·5	38·0	38·0	37·8	37·6	36·5	36·3	35·5	36·0	35·3	34·2	34·0	33·7	35·3
3	33·7	34·0	33·8	33·5	33·8	33·8	33·9	34·1	33·6	33·2	34·0	33·8	34·5	35·0	34·0	33·7	31·0	28·7	28·3	26·6	26·5	25·2	27·0	27·0	28·0	31·7
4	28·0	27·8	29·9	31·2	32·5	32·2	32·7	32·4	32·5	32·1	29·2	32·9	34·0	34·4	34·6	34·2	34·0	33·9	33·3	33·7	32·6	32·7	34·0	34·1	34·8	32·6
5	34·8	33·0	33·1	33·0	33·2	33·0	33·1	33·1	33·2	33·5	33·9	34·0	34·6	34·5	34·9	34·8	33·6	31·9	30·6	30·0	29·7	30·0	31·9	32·2	31·8	32·8
6	31·8	31·1	31·8	32·0	32·0	32·3	34·9	33·1	34·7	34·5	36·2	35·8	37·1	36·0	37·8	37·1	35·6	34·0	32·9	33·8	32·0	34·1	33·3	33·1	30·0	34·0
7	30·0	31·8	29·9	29·9	28·6	27·8	27·1	26·7	23·6	23·2	26·1	28·1	34·0	35·5	36·9	37·6	38·4	38·8	39·3	40·0	40·2	40·1	41·3	41·3	41·2	33·4
8	41·2	41·9	42·4	43·1	43·9	44·4	44·0	43·9	44·0	44·4	44·7	45·1	45·0	45·9	46·0	46·4	44·4	44·0	43·0	41·9	41·3	40·0	39·8	37·6	38·2	43·2
9	38·2	36·0	36·0	35·9	34·1	34·5	34·9	35·4	34·9	34·9	35·8	37·2	39·2	39·0	38·6	37·9	36·5	35·7	36·7	35·4	34·6	35·3	34·9	35·2	35·7	36·1
10	35·7	35·9	36·5	36·7	36·6	35·9	35·9	35·6	35·7	34·5	35·2	37·2	36·8	37·5	39·2	39·2	38·2	37·2	36·9	36·5	37·1	37·7	37·4	37·7	37·5	36·8
11	37·5	38·9	40·2	41·1	41·9	42·2	42·4	42·8	43·6	44·9	45·6	45·8	45·9	45·3	44·6	44·4	37·2	37·1	37·2	34·4	31·3	29·7	29·3	30·5	29·9	39·6
12	29·9	29·9	30·7	29·9	29·5	28·9	29·1	29·6	29·1	29·1	29·7	30·2	31·1	31·7	32·6	33·1	31·5	32·2	31·9	31·7	32·5	32·3	32·5	30·7	29·5	30·8
13	29·5	29·1	29·1	27·9	28·3	25·0	24·8	26·2	24·0	26·9	28·6	29·8	32·4	33·1	33·9	33·1	32·2	32·8	31·8	32·2	32·0	33·4	32·6	33·6	34·0	30·2
14	34·0	34·1	35·0	34·9	34·7	35·1	35·0	35·7	36·3	36·6	36·6	36·7	38·8	39·2	39·8	39·5	39·9	39·5	38·9	37·9	37·7	37·6	37·9	37·6	37·5	37·1
15	37·5	37·8	37·7	37·1	37·0	36·7	36·9	37·2	37·2	37·1	37·9	38·7	39·0	38·3	38·4	37·5	37·4	37·9	38·1	38·8	38·9	39·6	40·7	41·3	41·7	38·2
16	41·7	43·1	41·4	40·5	39·9	39·7	38·7	35·9	33·1	31·9	34·1	36·8	39·2	40·1	40·0	39·4	36·7	35·9	37·5	37·7	35·8	37·0	38·6	39·3	40·7	38·1
17	40·7	40·7	41·3	42·0	42·4	42·3	43·5	43·8	44·0	43·9	45·0	45·9	46·7	46·8	46·0	45·9	45·7	44·9	46·0	44·3	44·6	44·1	43·9	43·1	42·7	44·1
18	42·7	40·4	41·0	40·6	40·7	40·6	41·9	42·0	43·0	43·4	43·8	43·6	44·4	43·9	43·4	42·9	42·7	41·5	40·9	40·8	40·8	39·9	39·7	39·8	39·8	41·8
19	39·8	39·1	38·8	38·2	38·0	38·2	38·3	38·8	38·9	38·9	39·4	38·6	38·2	37·5	38·0	38·4	37·9	38·0	38·7	39·1	39·5	39·3	39·7	39·6	39·6	38·7
20	39·6	39·6	39·6	39·6	39·1	38·6	38·0	37·7	37·3	37·0	36·7	36·6	36·7	37·0	37·0	37·3	36·5	35·2	34·6	33·7	33·2	32·5	32·5	32·7	33·0	36·5
21	33·0	32·8	32·8	33·5	34·6	34·7	34·6	35·5	36·2	36·2	36·3	37·0	37·8	38·3	38·1	38·2	38·3	38·5	38·8	38·8	39·0	39·0	39·1	39·0	38·1	36·8
22	38·1	37·4	36·0	35·0	35·1	38·3	38·0	37·8	38·0	38·0	37·9	37·3	38·5	38·0	37·7	37·9	36·5	36·0	35·7	36·1	36·3	36·5	36·6	36·5	36·3	37·0
23	36·3	35·8	35·6	35·7	35·7	35·4	35·5	35·5	35·6	35·7	36·9	37·0	36·8	36·7	37·0	37·9	38·3	38·2	38·0	37·5	37·8	37·6	38·1	39·1	40·0	36·9
24	40·0	40·0	40·0	40·3	40·8	40·9	41·0	40·9	41·1	41·0	41·1	41·7	41·7	41·4	41·0	41·1	41·0	41·1	41·1	*41·5*	*41·9*	42·3	*	*	*	41·1
25	*	*	*	*	*	*	*	*	*	45·5	*45·4*	*45·5*	*45·9*	46·8	47·5	48·4	49·3	49·3	49·3	49·3	49·2	49·3	49·4	48·4	48·9	48·0
26	48·9	49·6	50·6	49·6	49·1	49·1	48·6	48·9	48·2	48·2	48·9	48·9	49·0	48·1	48·1	47·8	46·9	46·5	44·9	44·2	44·9	45·1	45·0	44·8	44·6	47·6
27	44·6	44·7	44·9	44·3	42·0	42·4	42·5	42·1	42·4	41·8	42·1	42·4	43·0	43·3	43·3	43·2	42·6	42·5	42·7	42·6	42·8	42·7	43·2	43·5	43·5	43·0
28	43·5	43·5	42·5	42·3	42·3	38·7	41·4	41·6	42·3	43·0	43·5	43·7	44·0	44·1	43·8	43·6	43·8	43·9	43·7	43·3	42·6	42·1	41·5	41·2	40·5	42·7
29	40·5	40·9	40·4	40·4	40·4	39·9	39·7	39·5	39·5	39·5	39·4	39·6	39·9	40·1	39·9	39·1	38·1	37·3	36·8	36·5	36·8	36·1	35·7	35·5	35·1	38·7
30	35·1	35·8	36·5	37·5	38·1	38·0	38·3	38·3	38·3	38·1	38·2	38·2	37·3	36·5	38·9	38·3	35·2	32·4	31·3	30·9	30·2	29·2	*	*	*	36·0
31	*	*	*	*	*	*	*	*	*	20·8	*	*	*	*	*	38·2	*	*	*	*	*	19·1	*	*	*	*
Mean ...	37·3	37·3	37·4	37·4	37·2	36·9	37·1	37·0	37·0	36·7	37·8	38·3	39·1	39·2	39·5	39·3	38·3	37·8	37·6	37·2	37·0	36·4	37·3	37·2	37·2	37·7
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Trace failed.

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JANUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	*	*	*	*	*	*	*	*	*	69	*	*	*	*	*	62	*	*	*	*	*	61	*	*	*	*
2	*	*	*	*	*	*	*	*	*	99	63	66	71	68	74	74	72	77	78	86	80	85	86	86	83	78·0
3	83	86	91	94	91	90	83	88	95	93	88	84	83	80	79	87	81	84	89	100	90	95	79	85	80	87·4
4	80	77	84	88	92	94	92	96	96	95	92	87	85	86	87	89	90	91	97	94	97	96	85	86	82	89·9
5	82	99	100	99	98	100	100	100	100	98	97	95	85	87	87	84	84	91	91	74	73	77	80	86	91	90·5
6	91	99	94	100	100	99	82	100	100	99	87	81	73	82	70	79	73	78	79	74	75	73	75	75	100	85·1
7	100	*	*	*	*	*	*	*	*	*	78	83	79	100	98	96	97	96	100	100	100	100	100	100	100	95·1
8	100	99	100	100	100	100	100	100	100	98	100	100	100	100	98	89	84	81	81	83	72	78	83	86	86	92·7
9	86	93	94	94	99	90	91	89	93	92	93	89	82	83	82	78	77	80	80	78	93	79	79	78	76	86·1
10	76	75	73	73	76	79	78	76	79	84	85	82	85	94	89	87	89	89	89	88	90	87	87	93	94	83·8
11	94	93	91	92	93	96	97	97	96	96	97	98	96	98	100	90	98	98	88	94	100	100	100	66	69	94·0
12	69	82	87	97	97	100	98	100	98	100	100	100	67	88	93	67	81	86	99	100	100	100	80	81	92	90·9
13	92	87	94	100	100	100	100	100	100	81	54	55	62	84	67	74	74	75	76	82	93	85	95	94	93	84·4
14	93	96	91	93	93	98	99	97	97	100	98	98	96	94	94	96	93	90	93	97	93	94	94	96	95	95·1
15	95	94	93	95	92	93	94	94	88	75	84	80	78	81	77	81	81	82	87	90	95	96	92	93	90	87·8
16	90	85	87	80	72	72	73	81	82	82	83	81	79	81	82	86	90	90	93	91	98	96	99	100	95	85·7
17	95	96	96	97	95	97	96	99	98	99	95	94	91	91	94	91	90	89	77	91	85	87	88	85	82	92·0
18	82	87	83	84	84	85	83	84	82	75	77	82	79	83	85	87	81	79	82	80	80	82	83	84	85	82·3
19	85	88	90	89	90	89	88	89	90	90	88	92	92	89	87	85	88	89	94	95	92	96	90	94	93	90·2
20	93	91	89	85	86	85	86	88	86	89	89	91	92	91	90	94	92	93	95	96	94	94	92	98	96	90·8
21	96	93	92	94	98	100	100	99	99	99	96	91	89	87	89	93	94	92	92	96	98	98	97	97	97	95·0
22	97	95	92	95	96	88	90	92	89	89	90	95	90	95	92	93	93	96	93	92	91	91	90	91	89	92·2
23	89	90	89	89	90	91	91	90	91	91	82	82	91	92	94	92	91	94	93	93	92	92	90	93	91	90·5
24	91	94	96	96	93	93	93	97	97	97	93	89	87	88	86	86	87	87	89	91	*94*	96	*	*	*	91·9
25	*	*	*	*	*	*	*	*	*	96	97	96	98	97	95	94	95	95	95	95	96	90	86	88	87	93·8
26	87	89	86	90	92	91	94	92	95	93	93	91	88	90	87	84	86	80	85	85	85	82	81	81	80	87·6
27	80	82	85	81	82	81	74	83	81	87	88	86	85	87	87	84	88	92	92	93	92	92	95	94	94	86·6
28	94	94	91	96	92	93	94	95	96	98	100	100	100	100	100	100	100	99	97	96	96	95	93	87	88	96·0
29	88	80	88	89	88	90	89	90	88	86	88	87	87	83	88	83	85	84	86	88	91	84	85	85	84	86·6
30	84	85	87	84	82	85	83	83	83	83	83	82	82	81	79	73	82	83	81	74	94	83	*	*	*	82·5
31	*	*	*	*	*	*	*	*	*	74	*	*	*	*	*	57	*	*	*	*	*	66	*	*	*	*
Mean ...	88·6	89·6	90·1	91·3	91·2	91·5	90·3	92·3	92·3	90·2	88·2	87·5	85·2	88·3	87·2	84·4	86·8	87·6	88·7	89·5	90·7	88·1	88·3	88·2	88·6	88·9
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Trace failed.

METEOROLOGICAL OFFICE OBSERVATORIES.

[*Price Sixpence.*]

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** FEBRUARY, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.
Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE and TEMPERATURE. FEBRUARY, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	**·0407**	·0358	79·6	71·8	9	·0269	·0046	81·9	79·5	17	·0215	·0152	84·8	81·2	25	·0127	·0007	84·5	81·7
2	**·0407**	·0371	78·5	**69·6**	10	·0206	·0031	82·0	75·3	18	·0152	·9961	85·0	80·1	26	·0219	·0087	82·9	80·2
3	·0371	·0349	78·5	70·2	11	·0229	·0206	81·2	72·4	19	·0155	·9988	82·2	78·7	27	·0087	·9934	84·9	82·0
4	·0357	·0339	79·5	77·9	12	·0234	·0221	82·4	77·3	20	·0189	·0096	82·2	74·5	28	·0120	·9894	83·8	77·7
5	·0352	·0333	79·0	76·8	13	·0246	·0230	82·8	81·5	21	·0096	·9940	**85·1**	80·7					
6	·0390	·0349	80·4	76·5	14	·0291	·0223	84·6	79·2	22	·0097	·9987	83·9	78·8					
7	·0391	·0380	80·4	76·7	15	·0305	·0227	83·4	75·5	23	·0010	**·9866**	84·1	78·8					
8	·0385	·0269	80·3	77·2	16	·0227	·0162	84·5	82·9	24	·0122	·0006	84·2	80·0	Mean.	—	—	82·4	77·7

TABLE II.

VALENCIA. FEBRUARY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.
The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0358	·0367	·0371	·0375	·0380	·0383	·0387	·0391	·0394	·0400	·0404	·0406	·0405	·0405	·0398	·0394	·0395	·0396	·0399	·0401	·0402	·0406	·0404	·0403	·0406	·0394
2	·0406	·0406	·0405	·0404	·0401	·0400	·0398	·0396	·0390	·0393	·0393	·0397	·0394	·0391	·0381	·0378	·0373	·0375	·0375	·0377	·0376	·0375	·0375	·0373	·0371	·0388
3	·0371	·0368	·0364	·0364	·0362	·0359	·0356	·0357	·0356	·0359	·0358	·0360	·0357	·0354	·0350	·0351	·0351	·0350	·0351	·0355	·0354	·0354	·0356	·0358	·0357	·0357
4	·0357	·0357	·0356	·0354	·0351	·0352	·0349	·0351	·0353	·0354	·0352	·0353	·0350	·0350	·0346	·0344	·0341	·0340	·0343	·0346	·0348	·0346	·0343	·0344	·0346	·0349
5	·0346	·0345	·0343	·0343	·0337	·0337	·0336	·0337	·0339	·0339	·0338	*·0337*	*·0336*	*·0337*	*·0334*	*·0334*	·0334	·0334	·0337	·0340	·0340	·0344	·0345	·0349	·0352	·0339
6	·0352	·0351	·0349	·0351	·0352	·0352	·0352	·0355	·0357	·0363	·0365	·0371	·0374	·0374	·0371	·0372	·0372	·0374	·0377	·0382	·0382	·0387	·0389	·0389	·0388	·0368
7	·0388	·0389	·0388	·0386	·0385	·0386	·0383	·0385	·0386	·0388	·0388	·0388	·0390	·0389	·0385	·0383	·0381	·0381	·0381	·0382	·0382	·0383	·0384	·0385	·0384	·0385
8	·0384	·0384	·0381	·0376	·0372	·0369	·0364	·0362	·0359	·0357	·0354	·0354	·0350	·0340	·0330	·0321	·0316	·0312	·0305	·0300	·0293	·0287	·0283	·0274	·0269	·0336
9	·0269	·0265	·0253	·0247	·0235	·0228	·0219	·0209	·0198	·0196	·0191	·0181	·0174	·0163	·0148	·0136	·0123	·0112	·0105	·0096	·0087	·0080	·0069	·0057	·0046	·0163
10	·0046	·0037	·0044	·0058	·0069	·0078	·0091	·0100	·0111	·0123	·0139	·0145	·0153	·0157	·0159	·0163	·0169	·0173	·0182	·0188	·0192	·0198	·0199	·0203	·0206	·0136
11	·0206	·0209	·0209	·0209	·0207	·0208	·0208	·0211	·0215	·0218	·0222	·0224	·0223	·0220	·0219	·0218	·0218	·0219	·0219	·0222	·0225	·0225	·0227	·0229	·0229	·0218
12	·0229	·0227	·0225	·0227	·0225	·0224	·0224	·0226	·0223	·0225	·0229	·0232	·0232	·0230	·0227	·0227	·0226	·0225	·0227	·0232	·0232	·0234	·0232	·0233	·0233	·0228
13	·0233	·0238	·0234	·0233	·0231	·0231	·0233	·0236	·0235	·0241	·0243	·0244	·0246	·0244	·0242	·0239	·0238	·0236	·0235	·0236	·0236	·0237	·0236	·0235	·0232	·0237
14	·0232	·0235	·0232	·0230	·0225	·0224	·0224	·0227	·0228	·0231	·0239	·0244	·0244	·0239	·0234	·0234	·0239	·0244	·0252	·0265	·0273	·0280	·0283	·0287	·0291	·0245
15	·0291	·0297	·0299	·0300	·0299	·0300	·0301	·0300	·0303	·0305	·0299	·0294	·0286	·0278	·0264	·0249	·0240	·0241	·0240	·0241	·0240	·0237	·0236	·0232	·0227	·0272
16	·0227	·0222	·0215	·0214	·0207	·0200	·0195	·0194	·0190	·0191	·0187	·0186	·0182	·0179	·0172	·0163	·0166	·0164	·0165	·0168	·0173	·0178	·0186	·0196	·0200	·0188
17	·0200	·0208	·0210	·0213	·0209	·0210	·0214	·0214	·0214	·0215	·0211	·0208	·0208	·0206	·0200	·0190	·0186	·0180	·0177	·0175	·0175	·0173	·0169	·0163	·0152	·0196
18	·0152	·0144	·0137	·0125	·0113	·0101	·0093	·0085	·0077	·0067	·0057	·0050	·0032	·0014	·9991	·9969	·9978	·9984	·9984	·9986	·9988	·9991	·9993	·9991	·9990	·0043
19	·9990	·9992	·9992	·9995	·9998	·9999	·0005	·0012	·0020	·0034	·0055	·0066	·0077	·0079	·0084	·0090	·0097	·0103	·0110	·0106	·0127	·0138	·0145	·0150	·0155	·0065
20	·0155	·0161	·0161	·0165	·0167	·0178	·0175	·0180	·0186	·0185	·0189	·0178	·0181	·0176	·0176	·0169	·0161	·0154	·0151	·0148	·0138	·0129	·0120	·0114	·0096	·0161
21	·0096	·0088	·0074	·0064	·0052	·0049	·0044	·0038	·0032	·0032	·0026	·0024	·0017	·0005	·9995	·9986	·9971	·9961	·9951	·9942	·9948	·9968	·9976	·9987	·9988	·0011
22	·9988	·9990	·0001	·0009	·0019	·0033	·0042	·0051	·0061	·0073	·0083	·0090	·0093	·0096	·0093	·0092	·0090	·0091	·0083	·0074	·0072	·0054	·0042	·0029	·0010	·0057
23	·0010	·9984	·9958	·9930	·9901	·9878	·9873	·9871	·9873	·9874	·9876	·9872	·9871	·9872	·9881	·9887	·9894	·9912	·9928	·9945	·9959	·9971	·9979	·9996	·0006	·9917
24	·0006	·0021	·0032	·0043	·0052	·0068	·0077	·0094	·0097	·0110	·0108	·0116	·0121	·0113	·0105	·0098	·0082	·0059	·0034	·0019	·0020	·0025	·0029	·0036	·0034	·0066
25	·0034	·0033	·0028	·0020	·0010	·0013	·0020	·0021	·0026	·0038	·0050	·0064	·0075	·0084	·0096	·0097	·0098	·0095	·0094	·0093	·0089	·0088	·0107	·0120	·0127	·0064
26	·0127	·0137	·0149	·0160	·0172	·0181	·0192	·0200	·0202	·0210	·0213	·0215	·0216	·0218	·0212	·0208	·0198	·0193	·0184	·0174	·0161	·0146	·0124	·0105	·0087	·0178
27	·0087	·0075	·0065	·0059	·0052	·0051	·0047	·0041	·0036	·0029	·0025	·0022	·0019	·0013	·0004	·9998	·9995	·9989	·9985	·9979	·9967	·9955	·9946	·9942	·9934	·0013
28	·9934	·9923	·9913	·9909	·9899	·9896	·9895	·9895	·9897	·9900	·9905	·9907	·9925	·9939	·9958	·9971	·9988	·0006	·0024	·0041	·0054	·0073	·0090	·0106	·0120	·9964
Mean...	1·0 1955	1·0 1948	1·0 1924	1·0 1915	1·0 1886	1·0 1889	1·0 1892	1·0 1907	1·0 1914	1·0 1946	1·0 1964	1·0 1974	1·0 1975	1·0 1952	1·0 1913	1·0 1879	1·0 1864	1·0 1858	1·0 1856	1·0 1862	1·0 1869	1·0 1879	1·0 1881	1·0 1888	1·0 1870	1·0 1906
Normals 1871–1910.	1·0 1264	1·0 1254	1·0 1239	1·0 1239	1·0 1203	1·0 1199	1·0 1203	1·0 1210	1·0 1236	1·0 1257	1·0 1278	1·0 1288	1·0 1291	1·0 1267	1·0 1239	1·0 1215	1·0 1212	1·0 1215	1·0 1236	1·0 1257	1·0 1261	1·0 1261	1·0 1264	1·0 1261	1·0 1257	1·0 1243

(20778—24.) Wt. 41466—310. 250. 8/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	10	2·2	5	1·8	5	2·2	—	0·9	—	1·3	—	1·3	7	1·8	7	2·7	—	1·3	—	1·8	—	1·3	—	0·9
2	—	1·3	7	2·7	7	1·8	7	1·8	7	1·8	7	1·8	—	1·3	7	2·7	7	1·8	7	0·9	—	0·9	—	0·5
3	5	3·1	—	0·9	8	1·8	8	1·8	8	1·8	8	1·8	8	2·2	—	1·3	—	1·3	6	2·2	—	0·9	—	0·9
4	10	4·5	9	3·6	9	4·9	7	4·0	8	3·1	8	2·2	8	2·7	8	3·1	8	3·1	7	2·7	8	3·1	8	3·1
5	7	2·7	8	1·8	9	3·6	9	2·7	9	1·8	6	1·8	6	3·1	6	2·7	6	3·1	6	4·5	7	4·0	7	5·4
6	8	5·4	8	5·4	7	4·5	7	4·5	8	5·4	9	4·9	7	3·1	—	1·3	—	0·9	—	0·9	—	0·9	—	1·3
7	—	0·9	—	0·9	—	0·9	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	14	1·8
8	—	1·3	—	1·3	10	2·7	11	3·1	11	4·0	9	5·4	9	5·4	9	4·9	9	4·5	10	4·0	9	4·0	9	4·0
9	13	8·9	13	8·1	13	8·9	12	8·5	13	8·1	12	8·1	12	8·5	12	10·3	12	8·5	12	9·4	13	9·8	13	10·7
10	15	9·8	22	9·8	25	9·8	27	8·5	28	9·8	29	8·1	28	8·1	27	7·6	27	8·1	27	7·6	28	7·6	28	6·7
11	8	1·8	8	1·8	—	1·3	8	2·2	8	1·8	8	2·2	8	2·2	8	1·8	7	1·8	7	1·8	7	1·8	13	1·8
12	16	4·5	15	4·5	16	4·9	16	4·5	15	6·3	16	5·4	16	5·4	15	5·8	15	6·3	16	5·4	16	5·4	16	6·7
13	16	6·7	16	6·7	15	6·7	15	7·2	15	6·3	15	5·8	16	6·3	15	6·3	15	5·8	15	5·4	15	6·3	15	6·3
14	15	5·8	15	5·8	15	5·4	15	6·3	16	5·8	16	6·3	16	4·9	16	4·9	16	4·5	19	3·6	17	3·1	18	2·2
15	—	0·9	—	0·9	6	1·8	6	1·8	6	1·8	6	2·7	6	2·7	—	0·9	9	4·0	9	4·5	9	5·8	10	6·7
16	16	7·6	16	7·2	16	6·7	16	6·7	16	6·7	16	7·2	17	7·6	17	8·5	19	10·3	19	9·8	19	9·4	20	10·3
17	21	10·3	21	9·4	22	8·1	21	7·2	22	5·8	21	3·6	18	2·7	17	3·1	16	2·7	16	4·5	15	4·5	19	6·7
18	19	8·1	20	8·5	18	8·1	20	9·4	19	8·9	20	10·3	20	8·9	20	9·4	20	11·6	20	9·8	19	8·1	17	8·9
19	23	14·3	22	15·2	23	13.9	23	15·7	23	15·2	23	14·3	24	15·2	24	15·2	24	15·7	25	14·8	26	12·5	25	11·6
20	26	2·2	32	2·2	—	0·9	30	1·8	26	2·7	—	0·9	10	1·8	10	1·8	9	2·2	—	0·5	13	3·1	15	3·1
21	15	7·6	15	7·2	15	6·7	15	6·7	15	7·2	16	6·3	16	6·7	16	7·2	16	7·6	16	6·7	16	8·1	16	8·1
22	20	10·3	21	15·2	22	16·5	22	15·2	23	14.3	23	13·0	21	13·0	22	13·4	21	10·7	21	13·0	21	12·1	21	10·3
23	16	10·3	16	10·3	16	12·1	16	11·6	16	9·8	20	13·0	20	13·0	21	15·7	21	15·7	21	13·0	20	15·2	20	16·5
24	24	13·4	24	15·2	24	14·3	24	13·0	25	13·0	25	10·3	24	9·8	24	8·9	23	9·4	22	7·2	22	6·7	23	6·7
25	21	8·1	20	7·6	20	8·5	20	8·5	20	13·4	21	13·0	21	11·6	21	12·1	22	11·6	22	10·3	26	11·6	25	11·2
26	25	13·4	25	13·0	25	11·6	25	11·6	25	11·6	25	9·4	24	8·9	25	8·1	25	7·2	24	4·9	25	5·4	24	4·5
27	15	6·7	17	6.7	17	6·3	18	7·2	20	8·1	20	6·7	18	5·4	16	5·4	16	7·2	16	7·2	17	7·2	17	7·6
28	16	8·1	17	8·5	18	8·9	16	7·2	18	7·6	19	8·5	20	9·4	20	8·1	20	8·1	20	8·1	21	8·5	28	8·1
Mean ...	—	6·4	—	6·5	—	6·6	—	6·5	—	6·6	—	6·3	—	6·2	—	6·2	—	6·3	—	5·9	—	6·0	—	6·2
Normals 1881–1910.	—	6·1	—	6·0	—	6·1	—	6·0	—	6·0	—	6·0	—	5·9	—	5·9	—	6·0	—	5·9	—	5·9	—	6·6

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. FEBRUARY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·27	2·54	3·81
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	1·78	1·52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	3·81
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	0·25	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·27	1·27	1·02	0·50
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·81
14	1·02	2·28	2·54	1·52	1·02	2·03	3·81	3·56	2·54	0·76	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	21·58
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	0·25
16	—	0·25	—	—	—	0·25	—	—	—	0·25	—	—	—	0·25	—	0·25	—	—	0·25	—	—	—	—	—	1·50
17	—	—	—	—	—	—	—	—	—	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·50
18	0·25	—	0·25	—	—	0·25	—	0·25	—	—	—	—	—	—	0·51	0·51	0·51	—	0·25	—	—	—	—	0·25	3·03
19	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·50
20	0·51	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	1·02	1·02	3·30
21	0·76	1·78	0·76	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·51	—	0·25	—	—	5·07
22	0·25	0·25	0·25	—	1·02	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·02
23	0·51	0·25	0·25	0·25	2·28	3·05	0·51	0·51	—	—	—	—	0·25	1·27	—	—	0·25	0·25	0·25	0·76	0·25	—	0·51	0·25	11·65
24	—	—	—	—	0·25	—	—	—	—	0·25	0·25	0·25	—	—	1·27	1·27	1·27	1·52	0·51	—	—	—	—	—	6·84
25	—	0·25	2·03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·28
26	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·51	1·78	3·05	3·05	3·05	4·32	16·01
27	2·54	—	0·51	0·25	—	—	—	0·51	0·25	1·02	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	5·58
28	—	—	0·25	—	—	—	0·76	—	0·25	0·25	0·25	0·51	—	—	—	—	—	0·51	0·25	—	—	—	—	—	3·03
Sum ...	7·62	6·58	6·84	2·27	5·07	5·83	5·58	4·83	3·04	2·78	1·25	1·26	0·50	1·52	2·03	2·03	2·03	2·53	2·53	3·30	4·31	4·82	7·12	9·40	95·07
Normals 1871–1910.	5·51	5·54	5·66	5·54	5·41	4·85	4·72	4·80	4·62	4·70	5·05	5·21	4·34	4·52	4·77	5·48	5·89	4·95	5·16	5·82	5·61	5·61	5·76	6·07	125·59

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. FEBRUARY, 1911.

13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
—	1·3	—	0·5	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	5	1·8	5	1·8	—	0·5	—	0·5	1·3	1
—	0·0	—	0·0	—	0·5	—	0·5	—	0·9	4	1·8	—	0·9	7	1·8	7	2·2	5	2·2	5	1·8	5	1·8	1·3	2
—	0·9	—	0·5	—	0·9	—	0·9	7	2·2	8	2·2	8	4·0	8	3·6	10	2·7	7	3·1	9	4·5	10	4·0	2·2	3
9	1·8	8	2·7	8	2·7	7	3·1	8	3·1	8	2·7	10	2·7	8	1·8	7	1·8	8	3·1	8	4·5	8	3·1	3·1	4
8	4·9	9	6·3	9	5·4	8	5·4	8	6·7	9	7·2	9	6·7	9	6·7	9	5·4	9	4·9	9	4·5	9	4·9	4·5	5
13	1·8	14	2·2	14	1·8	14	2·2	14	3·1	14	3·1	14	3·1	14	3·1	8	1·8	—	1·3	—	0·9	—	1·3	2·7	6
15	2·7	15	3·1	15	2·7	15	2·2	15	1·8	15	1·8	15	2·7	15	1·8	10	1·8	12	3·1	13	3·1	7	1·8	1·8	7
10	6·3	12	5·8	12	5·4	12	4·5	12	2·2	12	5·4	13	7·6	12	8·1	13	7·2	13	7·2	13	9·4	13	8·1	5·4	8
13	11·6	13	11·6	14	11·6	14	10·3	14	10·7	14	12·1	14	11·2	14	11·6	14	10·7	14	11·6	15	11·6	15	9·8	10·3	9
26	6·3	29	6·7	26	6·7	27	4·9	26	4·5	26	4·5	26	3·6	26	3·1	28	2·7	—	0·9	8	1·8	8	1·8	6·3	10
15	3·1	15	3·1	16	3·6	16	3·1	16	3·1	16	2·7	16	2·2	16	3·1	16	3·1	16	3·1	16	3·1	16	4·0	2·7	11
16	6·7	16	7·2	16	6·7	16	5·8	16	6·7	16	6·3	16	6·3	16	6·3	16	6·3	15	6·7	15	6·3	16	5·4	5·8	12
15	6·3	15	6·7	15	5·4	15	5·4	15	6·7	15	6·3	15	7·2	15	8·1	15	8·1	15	6·7	15	6·3	15	6·7	6·3	13
18	2·2	18	1·8	18	2·2	21	3·1	22	3·6	28	4·5	1	1·8	1	1·8	—	0·9	—	0·5	—	0·9	—	0·9	3·6	14
9	6·7	11	8·5	12	8·9	13	10·3	15	5·4	15	4·5	16	4·9	19	5·8	17	6·7	16	6·7	16	6·3	16	7·2	4·9	15
20	10·3	19	10·3	19	10·3	20	10·3	20	9·8	20	8·9	20	8·9	20	8·9	20	9·4	21	11·2	21	10·7	21	10·3	8·9	16
20	8·1	20	7·2	20	7·6	20	7·6	20	8·1	20	7·6	20	8·9	20	7·6	20	6·7	20	5·8	20	7·2	20	8·1	6·7	17
18	10·3	18	10·7	20	13·4	22	11·6	22	13·0	22	10·3	21	10·7	21	14·8	22	13·4	22	14·3	21	13·4	22	15·2	10·7	18
25	11·6	27	8·9	25	9·4	24	10·3	24	8·5	25	8·9	25	7·6	27	7·2	29	7·2	30	4·0	28	5·8	28	4·9	11·2	19
16	4·5	18	4·5	16	4·9	16	4·5	16	4·5	16	4·5	16	4·9	15	4·5	15	5·8	15	6·7	15	8·1	15	8·1	3·6	20
16	8·9	16	9·4	16	9·4	16	10·3	16	9·8	18	9·8	16	9·8	20	10·3	23	9·4	23	9·4	22	8·5	21	9·8	8·5	21
21	11·6	21	11·6	21	10·7	20	8·9	20	7·2	18	6·7	17	7·6	16	7·6	16	8·9	16	8·9	16	10·3	16	10·3	11·2	22
21	21·0	21	19·2	21	19·7	21	17·4	22	16·5	22	15·2	22	14·3	22	13·0	23	13·0	23	14·8	24	15·2	24	14·8	14·8	23
21	6·7	21	5·4	20	4·5	16	5·4	15	6·3	16	6·7	18	7·6	21	11·2	21	13·0	21	13·9	21	11·2	21	9·4	9·4	24
24	7·2	23	6·3	22	7·2	21	8·1	21	7·2	21	5·8	20	7·6	20	8·5	21	13·0	24	12·5	24	14·3	25	14·8	9·8	25
25	3·1	24	2·2	24	2·2	21	1·8	17	2·2	16	4·5	15	5·4	15	4·9	14	7·2	13	9·4	14	11·2	18	12·5	7·2	26
17	6·7	16	6·7	16	7·2	17	7·6	17	7·2	16	6·7	16	6·7	16	7·2	16	8·1	16	8·1	16	8·1	17	7·2	7·2	27
27	9·4	25	11·6	27	10·7	28	10·3	28	9·4	26	6·7	26	9·3	25	9·4	25	10·3	25	10·3	25	10·7	26	8·1	8·9	28
—	6·5	—	6·5	—	6·5	—	6·3	—	6·1	—	6·0	—	6·3	—	6·5	—	6·7	—	6·9	—	7·2	—	7·0	6·4	Normals 1881–1910.
—	6·9	—	7·0	—	7·0	—	6·8	—	6·6	—	6·2	—	6·1	—	6·0	—	6·1	—	6·2	—	6·1	—	6·1	6·2	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. FEBRUARY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	—	—	8·0	Fine and bright all day.
2	—	—	—	—	—	1·0	1·0	1·0	·9	·9	1·0	1·0	·5	—	—	—	—	7·3	Fine, but ∞.
3	—	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	·8	—	—	—	—	—	6·0	∞; fine with light Ely. breeze.
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, and gloomy-looking.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and hazy.
6	—	—	—	—	—	·8	1·0	1·0	1·0	1·0	·5	·9	—	—	—	—	—	6·2	A sunny day, but ∞.
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast and hazy.
8	—	—	—	—	—	—	—	—	·5	—	—	—	—	—	—	—	—	0·5	Dull.
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	∞ and gloomy-looking; ● at night.
10	—	—	—	—	—	·6	1·0	·8	·8	1·0	1·0	1·0	·7	—	—	—	—	6·9	Fine and clear.
11	—	—	—	—	·2	1·0	1·0	1·0	1·0	·8	1·0	·9	·5	—	—	—	—	7·4	⊸; fine, with good visibility.
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy day, with ● at night.
14	—	—	—	—	—	—	—	—	—	—	·2	—	—	—	—	—	—	0·2	Misty and wet, improving in afternoon.
15	—	—	—	—	—	—	·2	·5	—	—	—	—	—	—	—	—	—	0·7	⊸; cloudy day, with clear atmosphere.
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Misty and showery.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋, overcast.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy day; ≋, ●.
19	—	—	—	—	—	·1	·3	·9	1·0	·5	1·0	1·0	·7	—	—	—	—	5·5	Fair to squally, with ▲ showers.
20	—	—	—	—	·4	1·0	·4	·5	·6	·5	·2	—	—	—	—	—	—	3·6	⊸; fair to dull.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day; ≋ and ●.
22	—	—	—	—	—	·5	1·0	·9	·9	·7	1·0	·3	—	—	—	—	—	5·3	Fair.
23	—	—	—	—	·2	·4	·5	·7	·2	—	—	—	—	—	—	—	—	2·0	Squally day, with frequent ●.
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fair at first, becoming misty and showery.
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
26	—	—	—	—	·1	·2	·5	·5	·2	—	—	—	—	—	—	—	—	1·5	Fair, to overcast with ●.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy-looking; ≋, ●.
28	—	—	—	—	·1	·2	—	—	·5	·9	·7	·9	·6	·3	—	—	—	4·2	Misty and showery to fair; ⸗ at times.
	—	—	—	—	1·0	7·0	8·9	9·8	9·6	8·3	8·6	7·8	4·0	0·3	—	—	—	65·3	Total.
	—	—	—	0·14	2·96	7·19	9·14	9·81	9·78	9·52	9·27	7·59	4·50	0·51	—	—	—	70·39	Normals 1881–1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. FEBRUARY, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	77·9	76·8	75·1	74·5	74·8	74·1	73·6	73·1	72·4	72·9	72·8	75·2	77·1	78·4	79·3	79·5	79·1	77·1	75·9	74·9	73·7	72·2	72·1	72·9	72·6	75·1
2	72·6	72·3	71·0	70·6	70·9	70·7	70·4	70·2	69·9	69·9	71·2	73·4	75·6	76·8	77·7	78·0	77·8	76·6	75·3	74·1	72·6	71·8	71·8	72·6	71·5	73·1
3	71·5	71·4	71·4	71·0	71·5	71·2	71·3	70·9	70·6	71·3	71·3	73·4	74·9	76·2	76·9	77·4	77·5	77·7	77·3	78·4	78·1	76·7	76·8	77·7	78·2	74·4
4	78·2	78·5	78·4	78·5	78·7	78·7	78·7	78·4	78·7	78·9	78·9	79·1	79·2	79·3	79·4	79·5	79·3	79·3	79·1	79·1	78·9	79·0	78·8	78·5	78·4	78·9
5	78·4	78·2	78·1	77·9	77·5	77·0	77·1	77·3	77·0	77·4	77·5	77·9	78·4	78·9	78·8	78·8	78·5	78·5	78·4	78·5	78·5	78·5	78·4	78·4	78·4	78·1
6	78·4	78·2	78·2	77·9	77·9	78·4	78·4	77·9	78·1	76·9	76·6	77·5	78·9	80·0	80·3	80·3	80·1	79·5	78·6	78·4	78·5	77·4	77·3	77·4	77·0	78·4
7	77·0	77·4	77·1	76·8	77·0	77·0	77·1	76·8	77·1	76·8	77·4	78·8	79·6	80·2	80·2	80·4	80·2	79·6	78·7	78·5	77·9	78·5	78·4	79·0	78·4	78·2
8	78·4	78·8	77·9	78·5	78·5	78·3	77·8	77·4	77·5	78·5	79·1	79·6	79·8	80·1	80·1	80·1	79·9	79·8	79·5	79·6	79·9	79·7	79·8	79·9	79·9	79·1
9	79·9	79·8	80·1	80·2	79·9	79·6	79·6	79·8	80·0	80·1	80·2	80·2	80·9	81·1	81·3	81·3	81·1	81·1	81·2	81·3	81·4	81·5	81·7	81·8	81·4	80·7
10	81·4	81·8	81·1	80·2	79·9	80·1	78·9	79·5	79·7	79·9	79·6	80·1	80·2	80·0	79·5	80·3	79·9	79·9	79·3	79·3	79·2	77·8	76·5	75·9	75·3	79·5
11	75·3	74·8	74·2	74·0	72·7	73·2	73·2	73·8	73·3	74·2	74·6	76·8	79·0	80·1	81·2	80·7	80·3	79·5	78·1	77·6	77·5	77·6	77·4	77·4	78·1	76·5
12	78·1	78·7	79·4	79·8	79·2	79·1	79·2	79·9	79·6	80·0	80·7	81·4	81·7	82·1	82·3	82·2	82·3	82·2	81·6	81·8	82·0	82·0	81·9	82·0	81·8	80·9
13	81·8	82·0	81·7	81·7	81·7	81·7	82·0	82·1	82·1	82·4	82·5	82·6	82·8	82·6	82·1	82·4	82·4	82·2	82·2	82·3	82·3	82·3	82·0	81·7	81·8	82·2
14	81·8	82·0	82·1	82·3	82·2	82·5	82·6	82·7	82·5	82·7	82·5	83·1	83·7	83·8	84·3	84·6	83·7	82·8	81·3	81·0	80·9	80·6	80·3	79·8	79·3	82·3
15	79·3	79·2	77·3	77·0	76·5	76·0	75·6	75·5	75·9	79·6	80·2	81·3	82·0	82·2	82·3	82·5	82·7	82·7	82·7	83·0	83·2	83·1	82·9	82·9	83·0	80·3
16	83·0	83·1	83·1	83·2	83·2	83·3	83·3	83·3	83·4	83·8	84·1	84·0	84·0	84·3	84·2	84·0	84·1	84·2	84·2	84·4	84·1	84·0	83·8	83·1	83·2	83·8
17	83·2	83·4	83·2	82·9	82·4	82·3	82·0	81·4	81·5	82·3	82·8	83·2	84·5	84·8	84·3	84·3	84·2	84·2	84·2	84·2	83·8	83·8	83·5	84·1	84·1	83·4
18	84·1	84·2	84·3	84·3	84·3	84·3	84·4	84·3	84·3	84·6	84·9	84·8	84·7	84·9	84·8	84·9	83·2	82·3	81·7	82·0	81·1	81·7	81·5	81·4	80·4	83·6
19	80·4	80·7	80·3	80·4	80·4	80·2	79·8	80·3	80·5	81·0	81·2	81·2	81·2	82·1	81·1	81·7	81·7	81·2	80·4	80·4	80·4	79·5	78·9	79·6	79·6	80·6
20	79·6	79·3	78·7	77·9	77·6	79·1	77·1	76·0	74·8	74·5	76·9	79·6	80·4	81·7	82·0	82·0	81·6	81·3	80·7	81·2	81·1	80·9	81·0	81·3	81·3	79·5
21	81·3	81·7	82·0	82·3	82·8	83·2	83·4	83·8	83·9	83·8	83·9	84·1	84·2	84·2	84·5	84·6	85·0	85·0	84·7	84·3	83·5	82·0	81·4	80·9	81·0	83·4
22	81·0	81·2	79·9	80·2	80·4	79·1	80·0	79·6	80·7	80·7	80·7	81·8	82·4	83·1	83·2	83·3	83·1	82·9	82·5	82·7	82·6	82·8	82·8	82·9	82·9	81·7
23	82·9	82·5	82·1	82·6	83·5	83·8	83·9	82·8	82·5	82·2	82·1	82·5	82·8	83·2	82·1	82·9	82·8	82·3	82·1	81·3	81·0	80·7	81·0	78·8	81·2	82·2
24	81·2	80·9	81·0	80·7	81·1	81·2	81·0	80·7	80·9	80·7	80·9	81·2	80·7	81·5	82·0	81·2	80·7	80·7	81·5	82·5	84·1	84·1	83·9	84·0	83·8	81·6
25	83·8	83·7	83·9	83·9	83·8	84·5	84·5	84·4	83·9	83·5	83·7	84·0	83·4	83·4	83·7	83·8	83·4	83·5	82·6	82·5	82·9	83·4	82·1	82·4	81·8	83·5
26	81·8	81·4	81·1	81·0	81·1	80·7	80·5	81·1	80·9	81·2	81·4	81·7	82·6	82·8	82·6	82·4	82·3	81·7	81·1	80·7	80·4	80·2	80·6	81·2	81·8	81·3
27	81·8	82·8	83·4	83·5	83·7	84·1	84·0	83·8	83·8	84·0	84·2	84·3	84·3	84·9	84·6	84·6	84·5	84·5	84·3	84·3	84·2	84·2	84·2	83·9	83·7	84·0
28	83·7	83·7	83·8	83·8	83·2	82·9	82·7	82·9	81·5	81·5	82·4	81·8	80·7	82·1	81·7	81·2	81·5	80·6	79·9	78·3	79·5	80·1	79·9	79·7	79·5	81·5
Mean ...	79·9	80·0	79·6	79·6	79·5	79·5	79·4	79·3	79·2	79·5	79·8	80·5	81·1	81·6	81·7	81·7	81·5	81·2	80·7	80·6	80·5	80·2	80·0	80·0	79·9	80·3
Normals 1871–1910.	79·6	79·6	79·5	79·5	79·4	79·4	79·3	79·4	79·3	79·6	80·0	80·5	80·9	81·2	81·2	81·2	81·0	80·7	80·3	80·0	79·9	79·8	79·8	79·7	79·6	80·0

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). FEBRUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	62	70	75	74	71	77	76	74	75	79	82	71	60	73	65	68	70	80	70	73	75	74	71	68	69	72·3
2	69	61	64	70	66	64	69	70	70	74	74	74	69	65	60	70	77	75	80	89	85	92	90	81	92	73·8
3	92	83	88	87	89	84	84	85	90	93	91	85	85	83	87	89	87	86	86	78	78	84	83	78	79	85·4
4	79	79	80	81	80	81	85	87	87	84	85	84	84	83	82	82	81	80	82	81	81	79	80	76	76	81·7
5	76	73	74	76	73	78	79	75	80	76	76	76	76	73	73	74	76	76	76	76	76	77	75	77	78	75·8
6	78	77	79	81	81	78	77	78	76	83	87	83	79	75	75	76	79	83	84	82	83	87	89	87	89	80·9
7	89	86	88	91	87	87	87	91	88	93	90	87	82	81	83	80	78	82	83	84	87	83	81	78	81	85·1
8	81	80	85	81	82	79	79	80	76	72	69	65	66	66	71	72	74	72	74	74	71	72	74	71	73	74·2
9	73	72	72	75	74	74	73	73	75	77	77	77	73	75	75	76	77	78	79	80	79	81	83	84	95	76·8
10	95	96	97	89	89	82	90	78	68	67	68	66	65	67	77	66	68	71	69	74	74	87	94	93	94	78·7
11	94	91	94	93	96	94	96	93	100	94	95	90	86	79	78	80	77	78	84	87	84	89	89	91	92	88·8
12	92	81	74	75	80	84	81	78	81	79	77	76	70	73	73	74	77	75	82	81	80	82	83	83	85	78·6
13	85	84	90	90	90	93	90	90	90	90	90	90	88	90	95	92	89	88	88	87	88	88	95	100	99	90·3
14	99	98	98	97	98	97	97	95	98	97	97	97	97	96	96	93	96	100	100	95	96	96	98	98	98	97·0
15	98	96	100	99	100	98	100	96	97	86	82	78	77	79	86	90	90	94	98	98	98	96	94	93	92	92·5
16	92	91	92	91	92	90	90	90	91	90	89	92	94	92	92	95	97	98	98	95	95	93	91	86	86	92·2
17	86	86	88	91	93	94	96	96	98	97	97	99	98	97	99	98	99	98	98	97	99	96	95	93	93	95·5
18	93	93	92	93	90	94	95	96	96	93	91	92	93	90	92	92	98	95	93	87	80	75	76	77	83	90·1
19	83	78	79	76	73	78	79	75	77	70	72	74	73	69	73	67	73	72	75	76	75	78	83	77	76	75·0
20	76	78	84	87	86	78	93	91	94	93	92	86	82	74	76	70	75	78	80	79	82	88	92	97	98	84·3
21	98	99	99	99	100	100	100	99	99	99	99	99	98	98	97	97	93	90	91	95	93	97	95	92	85	96·6
22	85	80	85	77	79	82	80	85	75	81	82	78	79	74	74	74	79	81	84	86	86	84	83	83	82	80·6
23	82	87	96	95	94	96	97	95	91	82	78	77	79	76	89	83	82	83	81	86	89	88	76	91	70	86·1
24	70	72	74	71	73	71	76	79	72	80	83	84	84	81	76	86	94	95	96	97	98	94	94	92	92	83·5
25	92	94	95	99	98	96	94	93	92	92	89	77	76	78	83	82	85	85	89	88	89	87	87	70	65	87·4
26	65	69	73	79	71	69	74	70	70	71	77	67	65	67	73	79	73	77	79	89	94	93	93	92	94	76·4
27	94	98	99	98	97	97	99	99	98	99	97	96	97	96	97	96	96	95	94	93	96	96	92	93	93	96·3
28	93	93	91	90	91	81	82	82	90	88	80	90	90	69	65	66	65	68	70	80	75	70	69	71	75	79·2
Mean ...	84·7	83·8	85·9	85·6	85·5	84·9	86·4	85·5	85·5	85·0	84·5	82·5	80·9	79·3	80·8	81·0	82·3	83·3	84·4	85·3	85·2	85·9	85·9	84·7	85·1	84·1
Normals 1886-1910.	87·4	87·2	87·3	87·5	87·4	87·5	87·6	87·0	87·4	87·1	86·4	84·5	82·7	81·4	81·0	81·2	81·8	83·2	84·8	85·3	86·2	86·1	86·4	87·0	87·2	85·5

METEOROLOGICAL OFFICE OBSERVATORIES.

[*Price Sixpence.*]

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** FEBRUARY, 1911.

Heights above Mean Sea Level : Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground : Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE AND TEMPERATURE. FEBRUARY, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0422	·0399	74·6	**68·2**	9	·0359	·0225	77·2	74·9	17	·0217	·0159	85·3	82·2	25	·0099	·0005	85·5	78·9
2	**·0423**	·0360	74·1	**68·2**	10	·0225	·0137	78·8	71·3	18	·0178	·9963	**85·6**	82·5	26	·0218	·0040	82·5	76·9
3	·0361	·0335	78·3	73·3	11	·0236	·0146	79·7	73·9	19	·0110	·9959	83·2	75·9	27	·0217	·0059	82·7	75·4
4	·0353	·0328	79·0	76·2	12	·0301	·0236	80·1	72·1	20	·0193	·0110	81·8	74·1	28	·0063	·9969	84·3	80·6
5	·0352	·0323	78·7	76·3	13	·0337	·0301	81·0	74·5	21	·0198	·0052	83·0	74·6					
6	·0386	·0351	76·8	75·1	14	·0341	·0307	80·5	70·6	22	·0145	·0002	83·8	79·9					
7	·0385	·0370	76·9	74·1	15	·0341	·0291	82·2	75·4	23	·0129	**·9901**	84·1	79·9					
8	·0383	·0359	77·6	74·6	16	·0327	·0170	82·9	76·2	24	·0112	·9924	83·6	79·6					
															Mean.	—	—	80·9	75·6

TABLE II.

KEW. FEBRUARY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0401	·0406	·0404	·0402	·0403	·0407	·0408	·0411	·0413	·0417	·0415	·0416	·0414	·0411	·0408	·0407	·0410	·0411	·0411	·0413	·0418	·0420	·0420	·0419	·0420	·0411
2	·0420	·0421	·0422	·0416	·0416	·0413	·0414	·0413	·0414	·0416	·0410	·0408	·0405	·0396	·0392	·0385	·0379	·0376	·0377	·0373	·0369	·0369	·0367	·0364	·0360	·0396
3	·0360	·0354	·0347	·0344	·0340	·0338	·0337	·0337	·0338	·0339	·0341	·0342	·0344	·0342	·0341	·0341	·0343	·0344	·0347	·0351	·0352	·0352	·0355	·0357	·0352	·0345
4	·0352	·0353	·0352	·0348	·0347	·0344	·0342	·0344	·0345	·0345	·0348	·0347	·0342	·0336	·0335	·0331	·0329	·0329	·0332	·0330	·0329	·0331	·0331	·0329	·0331	·0339
5	·0331	·0331	·0330	·0329	·0328	·0325	·0324	·0325	·0328	·0329	·0329	·0330	·0331	·0332	·0332	·0333	·0332	·0334	·0337	·0340	·0341	·0344	·0348	·0349	·0352	·0333
6	·0352	·0353	·0354	·0354	·0354	·0355	·0357	·0360	·0363	·0365	·0366	·0374	·0374	·0371	·0371	·0371	·0373	·0374	·0378	·0379	·0382	·0382	·0383	·0385	·0385	·0369
7	·0385	·0384	·0383	·0381	·0380	·0379	·0379	·0379	·0380	·0380	·0380	·0382	·0379	·0376	·0376	·0373	·0372	·0373	·0375	·0376	·0378	·0379	·0378	·0377	·0378	·0378
8	·0378	·0379	·0379	·0378	·0375	·0376	·0377	·0377	·0379	·0379	·0380	·0382	·0379	·0377	·0374	·0375	·0374	·0371	·0371	·0370	·0369	·0366	·0364	·0361	·0359	·0374
9	·0359	·0356	·0354	·0346	·0340	·0338	·0333	·0327	·0323	·0319	·0316	·0315	·0306	·0298	·0290	·0280	·0270	·0266	·0264	·0259	·0253	·0245	·0239	·0232	·0225	·0298
10	·0225	·0214	·0209	·0202	·0191	·0184	·0181	·0176	·0173	·0167	·0165	·0163	·0155	·0146	·0142	·0138	·0140	·0137	·0139	·0141	·0143	·0145	·0145	·0144	·0147	·0164
11	·0147	·0147	·0151	·0152	·0157	·0160	·0166	·0173	·0181	·0186	·0193	·0198	·0199	·0197	·0196	·0196	·0200	·0203	·0208	·0213	·0217	·0221	·0225	·0229	·0236	·0190
12	·0236	·0237	·0239	·0241	·0241	·0245	·0253	·0257	·0262	·0265	·0267	·0267	·0269	·0268	·0267	·0267	·0271	·0273	·0282	·0286	·0289	·0292	·0296	·0296	·0301	·0267
13	·0301	·0301	·0302	·0303	·0304	·0304	·0311	·0314	·0320	·0321	·0325	·0329	·0328	·0325	·0320	·0322	·0321	·0321	·0326	·0329	·0333	·0335	·0336	·0335	·0337	·0320
14	·0337	·0336	·0337	·0335	·0332	·0332	·0335	·0336	·0338	·0338	·0339	·0341	·0337	·0332	·0328	·0325	·0320	·0316	·0319	·0319	·0319	·0317	·0313	·0309	·0308	·0328
15	·0308	·0304	·0301	·0296	·0293	·0295	·0297	·0302	·0307	·0318	·0322	·0326	·0331	·0328	·0329	·0329	·0333	·0333	·0337	·0339	·0341	·0339	·0339	·0331	·0327	·0320
16	·0327	·0318	·0311	·0299	·0291	·0281	·0275	·0268	·0270	·0262	·0254	·0251	·0241	·0233	·0225	·0220	·0211	·0206	·0205	·0207	·0201	·0196	·0186	·0176	·0171	·0243
17	·0171	·0168	·0162	·0164	·0160	·0161	·0163	·0170	·0177	·0184	·0203	·0213	·0215	·0212	·0212	·0211	·0212	·0211	·0209	·0203	·0197	·0192	·0189	·0183	·0178	·0189
18	·0178	·0168	·0165	·0154	·0149	·0141	·0139	·0128	·0126	·0117	·0114	·0103	·0095	·0079	·0066	·0054	·0046	·0034	·0027	·0018	·0006	·9994	·9980	·9968	·9965	·0081
19	·9965	·9961	·9961	·9962	·9965	·9966	·9967	·9967	·9973	·9972	·9981	·9982	·9988	·9988	·9993	·9998	·0009	·0017	·0037	·0058	·0076	·0088	·0099	·0107	·0110	·0006
20	·0110	·0112	·0117	·0119	·0120	·0123	·0125	·0125	·0136	·0138	·0144	·0149	·0147	·0146	·0145	·0151	·0158	·0162	·0166	·0173	·0183	·0187	·0191	·0190	·0193	·0148
21	·0193	·0197	·0198	·0195	·0191	·0189	·0188	·0186	·0183	·0175	·0167	·0161	·0150	·0132	·0120	·0107	·0101	·0099	·0091	·0088	·0081	·0076	·0070	·0062	·0053	·0139
22	·0053	·0042	·0027	·0014	·0006	·0003	·0005	·0015	·0030	·0042	·0058	·0071	·0086	·0097	·0101	·0104	·0109	·0126	·0132	·0138	·0138	·0145	·0145	·0138	·0129	·0078
23	·0129	·0126	·0125	·0113	·0095	·0084	·0064	·0052	·0040	·0016	·9994	·9966	·9938	·9916	·9901	·9905	·9907	·9910	·9913	·9910	·9913	·9916	·9920	·9922	·9924	·9986
24	·9924	·9931	·9940	·9943	·9954	·9957	·9976	·9988	·0001	·0016	·0030	·0041	·0056	·0060	·0069	·0081	·0089	·0098	·0107	·0109	·0107	·0108	·0110	·0106	·0099	·0037
25	·0099	·0086	·0072	·0050	·0035	·0030	·0024	·0029	·0027	·0026	·0022	·0016	·0014	·0011	·0008	·0011	·0018	·0027	·0042	·0059	·0070	·0076	·0080	·0078	·0078	·0041
26	·0078	·0075	·0065	·0047	·0045	·0057	·0074	·0087	·0103	·0119	·0133	·0142	·0152	·0158	·0166	·0172	·0180	·0190	·0198	·0207	·0211	·0215	·0216	·0214	·0213	·0141
27	·0213	·0214	·0215	·0206	·0198	·0191	·0189	·0183	·0178	·0174	·0166	·0157	·0145	·0130	·0121	·0110	·0102	·0096	·0092	·0089	·0082	·0078	·0074	·0066	·0060	·0141
28	·0060	·0057	·0050	·0040	·0034	·0028	·0020	·0017	·0013	·0009	·0001	·9995	·9986	·9976	·9969	·9972	·9974	·9976	·9980	·9986	·9993	·9994	·9996	·0006	·0032	·0005
Mean...	1·0 2283	1·0 2261	1·0 2240	1·0 2190	1·0 2159	1·0 2145	1·0 2151	1·0 2159	1·0 2186	1·0 2191	1·0 2201	1·0 2203	1·0 2181	1·0 2133	1·0 2106	1·0 2096	1·0 2101	1·0 2112	1·0 2144	1·0 2165	1·0 2175	1·0 2179	1·0 2177	1·0 2155	1·0 2151	1·0 2168
Normals 1871–1910.	1·0 1504	1·0 1491	1·0 1481	1·0 1457	1·0 1447	1·0 1447	1·0 1447	1·0 1460	1·0 1487	1·0 1501	1·0 1511	1·0 1518	1·0 1494	1·0 1464	1·0 1436	1·0 1426	1·0 1430	1·0 1440	1·0 1470	1·0 1484	1·0 1494	1·0 1501	1·0 1504	1·0 1501	1·0 1498	1·0 1474

(20776—24.) Wt. 41466—310. 375. 8/11. D & S, G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	6	1·8	3	2·2	—	1·3	—	0·9	—	1·3	—	0·9	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9
2	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·0	—	0·9	3	1·8	—	0·9	—	0·9
3	26	1·8	26	1·8	—	0·9	—	0·9	—	1·3	—	0·9	—	1·3	31	1·8	—	0·9	31	2·2	32	2·2	1	3·6
4	5	1·8	—	0·9	—	0·9	—	0·9	5	1·8	1	1·8	1	2·2	1	2·7	1	3·1	2	2·7	2	3·1	32	4·0
5	1	3·1	1	2·2	—	1·3	—	1·3	1	1·8	1	1·8	1	1·8	1	1·8	1	3·1	1	1·8	1	3·6	3	3·6
6	1	1·8	1	1·8	1	2·7	1	2·2	1	2·2	1	1·8	1	2·2	32	1·8	32	2·7	30	3·1	30	2·2	30	3·6
7	—	0·5	—	0·9	—	0·9	—	0·0	—	0·9	—	0·9	—	0·5	—	0·5	—	0·9	—	0·5	—	1·3	—	1·3
8	—	0·9	—	0·9	—	0·9	—	0·9	28	1·8	30	2·2	1	1·8	1	1·8	1	2·7	2	2·7	2	4·0	32	2·7
9	—	0·5	—	0·0	—	0·5	—	0·5	—	0·9	—	0·9	11	1·8	11	1·8	11	3·1	11	2·7	11	2·7	11	3·1
10	12	3·6	12	4·0	12	3·1	12	1·8	—	1·3	—	1·3	12	1·8	12	1·8	13	1·8	13	2·2	14	3·6	16	4·0
11	19	1·8	23	2·7	26	2·2	29	2·7	29	3·1	28	3·1	28	3·1	28	3·1	27	3·1	28	4·0	28	4·0	30	4·9
12	28	1·8	—	0·9	28	1·8	—	1·3	28	1·8	28	1·8	29	2·2	29	1·8	—	1·3	29	2·2	26	1·8	26	3·1
13	—	1·3	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	—	0·9	—	0·9
14	—	0·9	—	0·9	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	0·5	—	0·9	17	2·2	20	3·6	20	5·4
15	20	5·8	21	5·4	20	4·0	21	4·5	21	3·1	22	3·1	24	2·7	24	2·2	25	2·7	29	4·0	29	4·9	30	4·5
16	17	3·1	17	4·0	18	4·0	19	5·4	20	6·7	19	6·3	20	6·7	21	5·8	20	6·7	20	6·7	20	6·7	21	6·7
17	21	8·9	21	8·1	22	7·2	24	8·1	23	6·7	23	7·6	24	5·8	24	5·4	25	5·4	24	4·9	25	5·4	24	6·3
18	20	5·8	21	6·7	22	5·8	20	5·4	20	5·4	21	4·9	20	8·1	21	7·2	20	6·3	21	6·7	21	6·7	21	6·3
19	23	9·4	23	6·7	23	7·2	23	6·7	22	7·2	21	6·7	22	5·4	24	5·4	24	8·1	24	8·5	23	10·3	24	9·4
20	27	1·8	24	2·2	24	2·2	24	2·2	22	2·2	22	1·8	22	2·2	—	1·3	22	3·1	25	3·1	25	4·5	26	6·3
21	—	1·3	—	0·9	—	0·9	—	1·3	22	1·8	22	1·8	22	2·7	20	3·1	19	4·9	19	5·4	18	7·6	19	8·1
22	18	8·1	19	9·8	20	11·6	19	11·2	19	8·5	22	7·6	23	9·4	23	9·4	23	9·4	23	10·3	25	11·6	24	11·2
23	20	6·3	19	6·7	20	6·7	20	8·1	20	9·8	19	11·2	19	9·4	19	10·3	18	11·6	19	10·3	18	11·2	19	11·6
24	23	9·4	23	9·4	23	8·5	23	8·5	24	8·5	24	8·1	24	8·1	23	8·9	24	8·5	25	10·3	25	11·6	26	10·3
25	19	3·1	18	3·6	17	3·6	18	4·5	19	4·0	20	3·6	22	3·1	22	4·0	23	5·4	23	4·5	21	5·4	21	5·4
26	23	6·3	22	6·7	20	7·2	23	8·5	26	8·9	25	8·1	25	8·1	25	8·9	26	8·1	26	9·4	26	8·9	26	9·8
27	20	2·2	20	1·8	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	18	3·1	18	2·7	16	4·5	14	4·0	16	6·3
28	19	6·7	18	6·7	19	6·7	19	7·6	19	8·5	19	8·9	18	8·1	19	8·1	18	8·1	18	8·5	18	7·6	19	8·1
Mean ...	—	3·6	—	3·6	—	3·4	—	3·5	—	3·6	—	3·6	—	3·6	—	3·7	—	4·2	—	4·5	—	5·1	—	5·4
Normals, 1881–1910.	—	3·3	—	3·3	—	3·3	—	3·3	—	3·3	—	3·3	—	3·3	—	3·4	—	3·8	—	4·1	—	4·7	—	4·9

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second,

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. FEBRUARY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·25
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02	1·02	0·51	0·25	2·80
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	0·25	1·02	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·52
16	—	0·25	0·51	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·78	1·78
19	0·51	—	—	—	—	—	2·28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·79
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	0·25	0·25	—	—	—	0·25	—	—	—	—	0·25	1·02	0·25	—	—	—	—	2·27
22	—	—	—	—	0·76	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
23	—	—	—	—	—	—	—	—	—	—	—	0·25	0·76	1·27	—	—	—	—	—	—	—	—	—	—	2·28
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
25	1·52	0·76	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·78
26	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
27	—	—	—	—	—	—	—	—	0·25	0·51	0·76	1·02	1·27	0·25	—	—	0·76	1·02	0·76	1·78	1·27	—	—	—	9·65
28	—	—	—	—	—	0·25	—	—	0·25	0·51	0·25	0·76	1·02	0·25	—	0·25	—	—	—	—	—	0·25	0·51	0·25	4·55
Sum ...	2·28	2·03	0·76	0·75	1·01	0 25	2·53	0·25	0·75	1·02	1·01	2·03	3·55	1·77	—	0·25	0·76	1·27	1·78	2·03	2·29	1·27	1·02	2·53	33·19
Normals 1871–1910.	1·78	1·93	1·70	1·57	2·03	1·75	1·63	1·73	1·78	1·93	1·52	1·35	1·65	1·85	1·52	1·55	1·75	1·37	1·42	1·24	1·37	1·40	1·27	1·60	38·69

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. FEBRUARY, 1911.

13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
3	1·8	3	1·8	—	0·9	—	0·5	—	0·0	—	0·5	—	0·9	—	0·5	—	0·9	—	1·3	—	0·5	—	0·9	0·9	1
—	0·9	—	1·3	—	0·9	32	1·8	32	1·8	32	2·7	30	2·7	30	2·7	30	3·1	30	2·7	30	1·8	25	1·8	1·3	2
1	3·1	1	3·1	2	3·1	2	3·1	2	3·6	2	4·0	2	3·6	2	3·1	4	3·6	3	3·1	1	2·2	5	2·7	2·2	3
1	4·5	2	4·0	2	1·8	2	2·7	2	2·7	2	2·2	2	1·8	2	3·1	32	3·1	2	1·8	2	1·8	2	2·7	2·2	4
2	3·1	1	3·6	2	3·1	2	3·1	1	2·7	1	2·2	1	3·1	2	3·6	2	2·7	1	3·6	1	2·7	1	2·2	2·7	5
30	3·1	30	2·7	30	3·1	31	2·2	—	0·9	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	1·8	6
25	1·8	22	1·8	22	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	0·9	7
2	3·1	2	2·7	2	1·8	—	1·3	2	1·8	2	3·1	—	1·3	—	0·9	—	0·9	—	0·5	—	1·3	—	0·9	1·8	8
14	2·7	14	2·7	13	2·2	12	2·2	15	1·8	14	3·1	14	2·7	13	3·1	14	2·2	12	2·7	12	2·2	12	3·1	2·2	9
17	4·5	18	4·5	17	5·4	21	2·7	19	3·1	19	2·2	—	1·3	—	0·9	—	0·9	—	0·5	—	0·5	—	1·3	2·2	10
29	4·5	27	4·0	28	4·0	27	4·0	28	1·8	28	2·2	28	1·8	28	1·8	28	2·2	28	1·8	28	1·8	28	1·8	3·1	11
28	3·6	29	4·0	30	3·1	30	1·8	30	1·8	30	2·2	30	2·2	30	2·7	29	1·8	31	1·8	—	1·3	—	0·5	2·2	12
—	0·9	31	1·8	—	0·9	—	1·3	23	1·8	23	1·8	17	1·8	17	2·2	17	1·8	17	1·8	—	1·3	—	0·9	1·3	13
20	4·5	20	5·8	21	4·9	22	3·1	20	3·6	21	4·9	20	5·4	20	4·5	20	4·5	20	4·5	20	4·5	20	4·0	2·7	14
28	3·6	30	3·1	29	2·2	—	1·3	—	0·9	—	0·9	—	0·9	—	1·3	29	1·8	17	1·8	17	1·8	17	3·1	3·1	15
21	8·1	21	7·6	22	5·4	21	6·3	20	6·7	20	6·7	21	7·2	21	6·7	21	8·1	21	8·5	21	8·1	21	8·9	6·7	16
22	6·3	24	8·1	25	4·5	25	4·5	21	5·4	21	5·4	22	4·0	21	5·4	20	5·8	21	5·4	20	5·8	21	4·9	6·3	17
22	7·6	22	7·6	21	8·1	21	8·5	21	8·9	21	9·4	21	9·4	20	9·8	20	10·3	20	11·6	21	11·6	21	8·5	7·6	18
24	9·8	26	8·1	26	7·2	25	7·2	26	5·4	26	5·4	28	4·5	27	3·1	27	3·6	26	3·1	27	1·8	—	1·3	6·3	19
25	5·8	26	6·7	25	5·8	24	4·5	24	4·5	25	4·5	24	3·1	24	4·5	24	3·6	24	3·6	22	1·8	22	2·7	3·6	20
19	8·5	19	8·5	19	10·3	19	9·4	20	8·1	19	9·4	19	9·4	19	9·4	19	9·4	19	9·8	19	9·4	19	9·4	6·3	21
24	11·6	24	9·4	24	9·4	24	9·4	23	7·6	22	6·3	22	5·4	21	5·4	20	5·4	21	5·4	21	5·8	21	6·7	8·5	22
19	12·5	20	11·2	23	8·9	23	9·4	23	10·3	23	8·9	22	9·4	22	9·4	22	9·4	22	8·5	22	8·9	23	9·4	9·4	23
25	10·3	25	9·4	25	8·5	25	8·9	25	5·4	25	3·1	22	3·1	22	4·5	22	4·5	20	4·0	21	4·5	21	3·1	7·6	24
25	6·7	23	7·6	23	7·6	24	6·3	24	6·7	25	6·7	26	6·7	26	5·4	25	4·0	22	4·5	22	4·5	23	6·7	5·4	25
27	10·3	27	9·4	27	9·4	27	6·7	27	6·7	27	4·5	25	3·1	25	2·2	25	2·7	25	2·2	25	1·8	25	2·7	6·7	26
17	7·2	16	5·8	16	5·8	16	5·4	17	4·5	18	5·8	19	5·4	19	5·4	19	5·8	19	5·8	19	5·4	19	8·1	4·0	27
19	8·5	20	8·9	21	7·6	20	6·7	20	5·8	20	5·4	20	5·8	21	5·4	21	4·5	20	6·3	21	4·9	27	6·7	7·2	28
—	5·7	—	5·5	—	4·9	—	4·5	—	4·0	—	4·1	—	3·9	—	3·9	—	3·9	—	3·9	—	3·5	—	3·8	4·1	Normals 1881–1910.
—	5·0	—	4·9	—	4·7	—	4·4	—	4·0	—	3·8	—	3·8	—	3·6	—	3·6	—	3·4	—	3·4	—	3·3	3·8	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. FEBRUARY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	▭; fog most of day; cold.
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	▭; foggy at first, clearing in afternoon.
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
4	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	—	0·1	Dull, with drizzling ●° occasionally.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast; Nly. breeze.
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty.
7	—	—	—	—	—	—	—	—	—	·2	—	—	—	—	—	—	—	0·2	Dull.
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day.
10	—	—	—	—	—	—	·3	·5	·5	·7	·1	·2	—	—	—	—	—	2·3	Fine at intervals; ⊕ in morning, ●° at [night.
11	—	—	—	—	—	1·0	·9	·7	·7	·9	·7	·8	—	—	—	—	—	5·7	Fine.
12	—	—	—	—	—	—	1·0	1·0	·9	1·0	·5	·4	—	—	—	—	—	4·8	▭ early; fine most of day.
13	—	—	—	—	—	—	—	—	—	·4	—	—	—	—	—	—	—	0·4	Dull.
14	—	—	—	—	—	·3	1·0	·9	·9	1·0	·8	·2	—	—	—	—	—	5·1	Fine; ▽ at 22h.
15	—	—	—	—	—	·6	·6	1·0	1·0	1·0	1·0	1·0	—	—	—	—	—	6·2	●° early, then fair to bright.
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
17	—	—	—	—	—	—	·2	·1	·9	1·0	1·0	1·0	·5	—	—	—	—	4·7	Fair to fine.
18	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	0·1	Overcast most of day.
19	—	—	—	—	·2	1·0	1·0	·8	·9	·8	·7	·9	·8	—	—	—	—	7·1	●° at 7h., then fine generally.
20	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	·8	·4	—	—	—	—	—	6·4	Fine greater part of day.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ● showers.
22	—	—	—	—	·6	·9	·6	·9	·9	1·0	1·0	·9	·9	·2	—	—	—	7·9	Fine.
23	—	—	—	—	—	—	—	—	—	—	—	·4	·5	—	—	—	—	0·9	Squally.
24	—	—	—	—	·9	1·0	1·0	1·0	1·0	·9	1·0	·5	·1	—	—	—	—	7·4	Fine; ⸙ from W.
25	—	—	—	—	—	—	—	—	—	—	—	·3	—	—	—	—	—	0·3	Dull day, with ●° early; evening finer.
26	—	—	—	—	·8	·8	1·0	·9	·9	·8	·8	·8	·6	—	—	—	—	7·4	Fine, with ⸙ during day.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Damp, dull day.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast most of day; ●.
	—	—	—	—	2·7	6·6	8·6	8·8	9·7	10·8	8·4	7·8	3·4	0·2	—	—	—	67·0	Total.
	—	—	—	0·05	1·83	5·35	7·45	8·39	8·80	9·22	8·39	6·78	2·94	0·13	—	—	—	59·32	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. FEBRUARY, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	71·7	71·1	70·9	70·5	70·0	69·8	69·0	68·7	68·3	69·6	70·0	70·3	70·6	72·2	74·3	74·5	73·5	72·3	71·9	71·8	72·8	72·6	72·6	72·1	71·2	71·3
2	71·2	70·1	70·3	70·4	69·5	69·5	68·8	68·7	68·2	69·1	69·9	71·8	72·3	73·0	73·5	73·9	74·1	74·1	74·1	74·1	74·0	74·0	73·7	73·6	73·5	71·8
3	73·5	73·4	73·3	73·4	73·4	73·6	74·3	75·2	75·4	75·9	76·9	77·8	77·9	78·0	77·9	78·1	78·2	78·2	78·0	78·0	77·9	77·9	77·5	77·3	77·2	76·4
4	77·2	77·2	76·9	77·0	76·8	76·8	76·4	76·2	76·5	76·8	77·2	77·9	78·5	78·9	78·5	78·9	78·9	78·5	78·2	78·1	78·0	77·6	77·3	76·9	77·0	77·5
5	77·0	77·0	76·9	76·7	76·4	76·6	76·3	76·5	76·4	77·0	77·5	78·1	78·5	78·6	78·5	78·7	78·6	78·5	78·1	77·9	77·5	77·3	77·0	76·7	76·3	77·4
6	76·3	76·2	76·0	76·0	75·9	75·7	75·6	75·4	75·3	75·6	76·1	76·5	76·7	76·4	76·6	76·7	76·4	76·2	75·9	75·8	75·6	75·6	75·3	75·2	75·2	76·0
7	75·2	75·0	74·9	74·9	74·8	74·7	74·6	74·5	74·3	74·9	75·3	76·1	76·4	76·9	76·7	76·3	76·2	75·4	74·5	74·4	74·7	74·7	74·7	74·6	74·7	75·2
8	74·7	74·8	74·7	74·8	74·9	75·8	76·0	76·2	76·0	76·5	76·8	77·2	77·3	77·3	77·5	77·4	77·2	77·1	76·8	76·8	76·7	76·6	76·3	76·3	76·0	76·3
9	76·0	76·0	75·7	75·4	75·3	75·3	75·3	75·4	75·6	76·2	76·5	77·2	77·2	76·8	76·7	76·7	76·4	76·3	76·0	76·0	75·8	75·7	75·5	75·6	75·4	76·0
10	75·4	75·1	74·6	73·2	72·3	71·8	71·8	71·4	72·1	73·6	74·8	76·5	77·3	78·2	78·7	78·6	78·1	77·6	77·0	77·1	77·0	76·7	76·5	76·4	76·8	75·5
11	76·8	76·8	76·8	77·4	77·2	77·2	76·7	75·7	75·2	75·4	76·5	77·6	78·7	79·5	79·3	79·1	79·1	78·2	77·4	76·5	76·1	75·4	75·0	74·5	73·9	77·0
12	73·9	73·1	72·9	72·5	72·6	72·3	72·2	73·2	74·1	74·6	75·1	76·5	77·4	79·5	79·8	79·9	79·5	79·1	78·6	78·0	77·9	78·0	77·6	77·4	76·5	76·1
13	76·5	76·2	75·7	76·0	75·8	75·7	75·4	75·4	75·6	76·3	77·5	78·4	79·5	80·3	80·7	80·4	80·2	79·6	79·1	78·0	77·5	76·4	76·3	75·3	74·5	77·4
14	74·5	73·7	72·6	72·1	71·3	71·4	71·3	70·8	70·9	71·4	74·8	78·0	79·0	79·4	79·9	80·2	79·5	79·0	78·6	78·2	78·1	78·0	77·6	77·8	77·8	75·9
15	77·8	78·1	78·0	78·2	78·4	78·7	79·1	79·4	79·2	79·8	80·7	81·3	81·3	81·7	82·0	82·1	81·9	80·7	79·0	77·3	76·8	76·3	76·4	75·5	76·2	79·1
16	76·2	77·3	78·3	79·3	79·7	80·1	80·2	80·4	80·6	81·0	81·3	81·8	82·2	82·6	82·6	82·8	82·8	82·4	82·2	82·1	81·8	82·1	82·2	82·0	82·6	81·1
17	82·6	82·6	83·1	82·9	84·1	83·7	83·0	82·5	82·3	82·8	83·4	83·8	84·1	84·6	84·9	85·2	85·1	84·0	82·8	82·5	83·0	83·1	83·2	83·8	84·3	83·5
18	84·3	83·8	83·5	83·6	82·6	83·1	83·0	83·4	83·0	83·7	84·0	84·6	84·8	85·4	85·4	85·3	85·0	84·7	84·5	84·7	84·5	84·5	83·9	83·6	82·8	84·1
19	82·8	82·9	81·8	81·8	81·0	80·4	80·0	79·7	78·4	80·1	80·2	80·8	81·1	81·7	81·2	80·9	81·0	80·9	80·1	79·8	78·6	78·0	77·4	77·0	75·9	80·2
20	75·9	75·2	75·0	74·3	74·1	74·1	74·1	74·5	74·8	76·3	77·8	79·5	80·3	80·9	81·8	81·7	80·9	80·8	80·2	79·6	79·3	78·5	77·6	76·5	76·1	77·6
21	76·1	75·7	74·9	74·8	75·3	75·7	76·2	76·9	77·6	78·7	79·4	80·3	80·7	81·2	81·3	81·3	81·3	81·5	81·7	81·9	82·1	82·4	82·5	82·8	83·0	79·4
22	83·0	83·2	83·6	83·8	83·6	83·4	83·6	82·8	81·9	81·9	81·7	82·1	82·4	82·7	83·3	83·0	83·1	82·6	81·5	81·2	80·2	80·2	80·0	80·0	80·3	82·2
23	80·3	80·0	80·0	80·7	81·2	81·5	81·3	80·7	81·1	81·4	81·7	81·8	82·3	83·2	83·9	82·9	84·1	83·2	83·0	82·9	82·8	82·4	82·4	81·9	82·2	82·0
24	82·2	81·7	81·2	80·3	80·4	80·2	79·8	79·9	79·7	80·6	81·3	82·2	82·3	82·9	82·8	83·2	82·7	81·8	81·0	80·4	80·2	79·9	80·0	79·9	79·6	81·1
25	79·6	79·3	79·1	79·0	79·6	80·3	80·8	81·7	82·1	83·4	83·6	84·1	83·9	85·1	85·2	85·3	85·2	84·6	83·9	83·4	82·4	81·7	81·0	80·9	80·7	82·3
26	80·7	80·6	80·3	80·2	80·6	80·2	79·7	79·4	79·6	79·9	80·4	81·3	81·5	82·2	82·3	82·5	82·0	81·3	80·4	79·6	78·9	78·5	78·1	77·6	76·9	80·3
27	76·9	76·5	76·3	75·9	75·4	75·7	75·9	76·4	77·4	78·1	79·1	79·9	79·8	80·1	80·2	80·3	80·7	81·2	81·6	81·9	82·1	82·4	82·4	82·5	82·7	79·2
28	82·7	82·9	82·8	82·8	82·9	83·0	83·0	82·8	83·0	83·0	83·1	83·3	83·3	83·6	84·0	84·1	84·1	83·7	83·2	82·9	82·4	81·3	81·3	81·3	80·6	82·9
Mean ...	77·5	77·3	77·2	77·1	76·9	76·9	76·9	76·9	76·9	77·6	78·3	79·2	79·5	80·1	80·3	80·3	80·2	79·8	79·3	79·0	78·7	78·5	78·3	78·0	77·9	78·4
Normals 1871–1910.	76·6	76·5	76·4	76·3	76·2	76·2	76·1	76·1	76·2	76·7	77·3	78·2	78·8	79·2	79·4	79·5	79·1	78·7	78·1	77·6	77·3	77·2	77·0	76·8	76·6	77·4

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). FEBRUARY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	74	72	71	71	79	76	79	66	84	70	76	77	74	71	69	68	75	77	79	76	73	74	73	79	79	74·4
2	79	83	78	76	81	76	79	77	76	76	70	70	75	76	79	76	75	78	80	80	78	78	80	78	80	77·3
3	80	81	82	82	84	82	83	82	84	83	91	87	87	89	92	91	89	88	87	87	85	84	88	89	88	85·9
4	88	89	92	91	93	90	90	85	86	86	87	85	82	79	85	82	81	85	86	85	83	86	85	90	87	86·3
5	87	86	86	87	89	87	88	87	87	84	85	80	79	77	79	78	80	81	83	85	85	85	85	86	85	83·9
6	85	84	85	82	80	82	81	79	79	78	76	72	70	67	65	67	69	70	72	74	76	76	75	75	75	75·6
7	75	76	77	78	77	75	78	77	80	78	77	66	66	69	67	73	72	74	76	73	74	80	83	83	84	75·3
8	84	83	86	86	87	83	80	75	73	69	71	69	71	72	65	69	72	74	76	77	79	80	83	83	84	77·0
9	84	86	85	89	89	82	72	69	70	68	67	66	65	64	67	66	67	68	71	69	68	68	70	72	72	72·3
10	72	68	69	72	72	68	67	70	69	72	74	72	71	73	71	70	72	72	76	80	81	89	94	95	94	75·0
11	94	94	94	90	87	85	85	86	85	84	81	77	74	66	68	67	67	73	73	76	78	79	79	80	83	79·8
12	83	85	83	83	84	85	84	84	83	83	83	82	76	69	66	69	68	67	70	68	65	60	63	65	77	75·3
13	77	78	84	82	83	82	88	87	85	85	83	75	74	68	61	64	64	66	70	69	71	75	76	78	77	76·0
14	77	81	83	81	82	83	84	84	84	83	79	74	69	71	68	67	73	73	76	78	77	80	83	82	84	78·2
15	84	83	88	91	91	92	91	90	91	90	85	58	53	54	53	55	57	66	74	83	85	79	73	83	77	76·9
16	77	88	95	96	94	93	92	90	88	87	86	84	82	77	77	76	75	78	80	81	84	83	82	84	81	84·6
17	81	85	85	91	79	77	80	77	78	74	71	68	68	65	63	63	61	67	75	78	78	81	89	89	80	76·0
18	80	80	77	74	80	75	78	78	86	85	84	81	81	80	80	82	87	88	87	85	84	80	81	84	93	81·8
19	93	85	83	80	76	76	77	77	87	71	66	62	60	59	62	65	65	63	67	63	70	68	70	73	79	71·3
20	79	81	80	80	79	79	79	80	82	81	79	65	59	59	57	59	60	63	67	72	72	74	76	83	84	72·8
21	84	85	87	88	89	87	85	84	84	88	87	84	83	81	83	85	88	91	91	94	93	92	93	93	92	87·6
22	92	92	89	88	90	92	85	78	77	64	63	62	57	52	54	52	53	58	64	68	77	81	81	81	83	72·8
23	83	85	86	84	82	78	78	80	77	79	76	83	88	91	89	81	64	62	64	66	67	72	72	79	70	77·5
24	70	72	68	73	68	68	67	65	66	63	61	59	58	57	56	54	52	56	60	72	76	75	78	79	83	65·8
25	83	89	91	91	92	93	95	94	92	83	82	84	89	82	80	76	73	76	75	67	69	73	80	77	78	82·7
26	78	77	78	81	85	72	69	68	66	59	56	56	55	50	48	49	50	55	58	62	68	72	73	76	81	65·1
27	81	85	88	90	93	89	91	90	90	89	87	90	88	91	92	92	94	95	95	95	96	95	96	96	94	91·4
28	94	94	95	95	94	94	93	94	92	93	92	91	92	92	90	90	88	89	87	87	80	87	88	89	78	90·5
Mean ...	82·1	83·1	83·8	84·0	84·3	82·2	82·1	80·5	81·5	78·8	77·7	74·3	73·1	71·5	70·9	70·9	71·1	73·3	75·7	76·8	77·6	78·8	80·3	82·2	82·2	78·2
Normals 1886–1910.	84·9	84·7	85·2	85·2	85·7	85·4	85·9	85·4	85·6	84·0	82·1	78·5	76·4	74·6	73·7	73·7	74·7	77·1	79·8	81·2	82·7	83·2	84·0	84·3	84·8	81·6

METEOROLOGICAL OFFICE OBSERVATORIES.

[Price Sixpence.]

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** FEBRUARY, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. ·Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE and TEMPERATURE. FEBRUARY, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	**·0155**	·0125	76·2	**64·1***	9	·0054	·9884	74·6	72·6	17	·9857	·9730	**82·8**	78·8	25	·9735	·9656	80·1	74·1
2	·0151	·0102	74·2*	65·2	10	·9884	·9804	76·2	72·7	18	·9770	·9575	82·4	76·4	26	·9898	·9678	77·8	70·6
3	·0111	·0096	78·3	69·8	11	·9945	·9869	77·6	66·7	19	·9793	·9558	77·4	72·4	27	·9895	·9665	80·1	68·9
4	·0107	·0082	77·4	74·0	12	·9969	·9945	76·8	65·6	20	·9864	·9777	78·5	71·8	28	·9696	·9578	80·5	74·9
5	·0084	·0065	74·1	72·3	13	·9977	·9963	78·5	76·4	21	·9862	·9581	80·7	71·8					
6	·0096	·0067	75·9	67·2	14	·9971	·9933	79·5	76·1	22	·9731	·9574	81·0	74·2					
7	·0107	·0088	79·6	72·8	15	·0021	·9933	79·3	73·9	23	·9712	**·9421**	79·2*	76·3					
8	·0110	·0054	77·3	73·8	16	·9944	·9733	82·2	74·1	24	·9757	·9479	78·9	73·4					
															Mean	—	—	78·5	72·2

* Eye observations.

TABLE II.

ESKDALEMUIR. FEBRUARY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0125	·0126	·0128	·0125	·0125	·0125	·0128	·0130	·0128	·0135	·0135	·0143	·0143	·0142	·0142	·0131	·0143	·0145	·0144	·0144	·0145	·0150	·0149	·0155	·0151	·0137
2	·0151	·0146	·0144	·0144	·0145	·0142	·0131	·0127	·0127	·0124	·0123	·0120	·0117	·0112	·0106	·0103	·0105	·0103	·0103	·0103	·0104	·0103	·0104	·0103	·0103	·0120
3	·0103	·0097	·0097	·0097	·0100	·0099	·0101	·0102	·0104	·0103	·0107	·0111	·0109	·0108	·0107	·0105	·0104	·0104	·0107	·0109	·0109	·0109	·0110	·0108	·0107	·0105
4	·0107	·0105	·0104	·0101	·0096	·0094	·0095	·0096	·0099	·0098	·0097	·0096	·0093	·0091	·0088	·0086	·0087	·0083	·0083	·0083	·0083	·0085	·0084	·0082	·0082	·0092
5	·0082	·0080	·0078	·0076	·0074	·0072	·0069	·0072	·0075	·0072	·0072	·0072	·0073	·0070	·0069	·0067	·0066	·0068	·0069	·0070	·0070	·0069	·0073	·0074	·0073	·0072
6	·0073	·0073	·0073	·0067	·0071	·0073	·0073	·0075	·0079	·0082	·0081	·0083	·0084	·0082	·0082	·0083	·0083	·0084	·0090	·0092	·0094	·0094	·0094	·0095	·0096	·0082
7	·0096	·0095	·0094	·0092	·0092	·0090	·0089	·0090	·0091	·0095	·0094	·0096	·0097	·0096	·0096	·0096	·0097	·0097	·0100	·0103	·0101	·0103	·0103	·0106	·0107	·0096
8	·0107	·0107	·0105	·0102	·0099	·0099	·0099	·0098	·0101	·0100	·0103	·0103	·0100	·0098	·0089	·0087	·0085	·0078	·0078	·0074	·0071	·0065	·0061	·0057	·0054	·0089
9	·0054	·0048	·0044	·0035	·0027	·0019	·0014	·0006	·0003	·9997	·9992	·9987	·9981	·9970	·9964	·9954	·9943	·9935	·9929	·9924	·9917	·9910	·9901	·9891	·9884	·9973
10	·9884	·9876	·9871	·9858	·9848	·9841	·9834	·9827	·9828	·9824	·9820	·9817	·9816	·9812	·9807	·9810	·9814	·9819	·9828	·9838	·9847	·9850	·9856	·9864	·9869	·9837
11	·9869	·9875	·9879	·9881	·9884	·9887	·9893	·9900	·9907	·9912	·9914	·9917	·9919	·9917	·9918	·9920	·9922	·9926	·9930	·9935	·9937	·9939	·9942	·9943	·9945	·9912
12	·9945	·9947	·9950	·9948	·9949	·9949	·9950	·9956	·9958	·9957	·9959	·9961	·9964	·9959	·9956	·9956	·9957	·9958	·9962	·9964	·9964	·9965	·9966	·9965	·9966	·9957
13	·9966	·9965	·9965	·9964	·9965	·9964	·9967	·9972	·9974	·9977	·9975	·9976	·9976	·9973	·9971	·9970	·9968	·9970	·9970	·9971	·9973	·9972	·9972	·9969	·9971	·9970
14	·9971	·9967	·9963	·9962	·9959	·9957	·9957	·9957	·9958	·9959	·9957	·9956	·9953	·9946	·9943	·9940	·9940	·9941	·9945	·9946	·9944	·9937	·9935	·9939	·9937	·9951
15	·9937	·9939	·9945	·9954	·9960	·9967	·9971	·9977	·9987	·9998	·0011	·0019	·0018	·0017	·0015	·0013	·0012	·0008	·0009	·0005	·9998	·9987	·9973	·9960	·9944	·9987
16	·9944	·9922	·9901	·9881	·9870	·9852	·9841	·9832	·9835	·9820	·9815	·9817	·9815	·9811	·9807	·9802	·9796	·9790	·9784	·9773	·9755	·9743	·9739	·9736	·9738	·9816
17	·9738	·9735	·9739	·9735	·9748	·9750	·9780	·9798	·9822	·9833	·9844	·9853	·9852	·9846	·9843	·9839	·9835	·9815	·9806	·9793	·9783	·9775	·9777	·9772	·9770	·9797
18	·9770	·9762	·9755	·9749	·9743	·9734	·9729	·9721	·9711	·9701	·9699	·9692	·9682	·9666	·9651	·9641	·9632	·9621	·9608	·9597	·9589	·9586	·9582	·9577	·9580	·9671
19	·9580	·9576	·9569	·9560	·9564	·9570	·9581	·9588	·9598	·9614	·9624	·9642	·9653	·9666	·9687	·9703	·9721	·9735	·9751	·9759	·9771	·9775	·9789	·9791	·9793	·9665
20	·9793	·9788	·9786	·9785	·9786	·9783	·9781	·9782	·9786	·9797	·9795	·9804	·9806	·9813	·9814	·9824	·9827	·9831	·9848	·9852	·9851	·9855	·9863	·9862	·9861	·9821
21	·9861	·9856	·9847	·9841	·9832	·9822	·9809	·9795	·9782	·9767	·9753	·9739	·9727	·9706	·9682	·9673	·9664	·9656	·9651	·9649	·9640	·9624	·9614	·9596	·9581	·9727
22	·9581	·9577	·9589	·9599	·9607	·9613	·9619	·9621	·9633	·9641	·9658	·9664	·9674	·9677	·9682	·9696	·9702	·9708	·9717	·9720	·9728	·9724	·9723	·9718	·9712	·9664
23	·9712	·9703	·9688	·9662	·9641	·9624	·9597	·9563	·9539	·9518	·9493	·9481	·9481	·9477	·9472	·9459	·9437	·9423	·9428	·9443	·9458	·9467	·9476	·9481	·9484	·9525
24	·9484	·9481	·9496	·9494	·9523	·9549	·9575	·9604	·9628	·9649	·9663	·9679	·9693	·9702	·9709	·9718	·9727	·9739	·9751	·9755	·9757	·9754	·9748	·9739	·9735	·9656
25	·9735	·9727	·9713	·9708	·9697	·9693	·9690	·9681	·9678	·9666	·9660	·9657	·9662	·9664	·9666	·9675	·9680	·9689	·9699	·9702	·9709	·9708	·9702	·9700	·9691	·9689
26	·9691	·9683	·9688	·9679	·9689	·9700	·9723	·9737	·9748	·9767	·9779	·9785	·9802	·9817	·9825	·9836	·9843	·9861	·9877	·9888	·9886	·9895	·9891	·9893	·9895	·9795
27	·9895	·9894	·9888	·9880	·9873	·9863	·9858	·9843	·9829	·9820	·9810	·9793	·9783	·9767	·9755	·9742	·9732	·9721	·9712	·9704	·9695	·9681	·9672	·9666	·9665	·9782
28	·9665	·9657	·9646	·9632	·9619	·9612	·9608	·9598	·9596	·9593	·9591	·9588	·9587	·9587	·9581	·9579	·9583	·9589	·9602	·9619	·9630	·9648	·9672	·9681	·9696	·9616
Mean ...	0·9 8900	0·9 8860	0·9 8838	0·9 8790	0·9 8781	0·9 8765	0·9 8772	0·9 8767	0·9 8787	0·9 8793	0·9 8794	0·9 8804	0·9 8807	0·9 8783	0·9 8760	0·9 8753	0·9 8752	0·9 8749	0·9 8779	0·9 8791	0·9 8789	0·9 8776	0·9 8775	0·9 8758	0·9 8746	0·9 8785
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* FEBRUARY, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	0·0	—	0·0	—	0.0	—	0.0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
2	—	2·7	—	2·7	—	2·7	—	2·7	—	2·7	—	2·7	—	2·7	—	2·7	—	2·7	—	0·0	—	0·0	—	0·0
3	—	0·0	—	0·0	—	3·1	—	3·1	—	3·1	—	1·8	—	2·7	—	3·1	—	2·2	—	4·5	—	5·8	—	3·6
4	—	1·3	—	1·3	—	0·0	—	0·0	—	0·0	—	0·9	—	1·3	—	2·2	—	0·5	—	2·2	—	1·3	—	2·2
5	—	3·6	—	1·8	—	1·3	—	0·5	—	1·3	—	0·5	—	0·5	—	0·9	—	0·9	—	3·6	—	2·7	—	0·9
6	—	0·0	—	0·0	—	4·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
8	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0
9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	3·6	—	3·1	—	3·1	—	7·6
10	—	6·7	—	5·8	—	7·2	—	6·7	—	8·1	—	6·7	—	7·6	—	5·4	—	6·3	—	7·2	—	6·7	—	3·6
11	—	3·1	—	3·1	—	3·1	—	3·1	—	3·1	—	3·1	—	3·1	—	3·1	—	0·0	—	0·0	—	0·0	—	2·7
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	4·9	—	4·5
13	—	5·8	—	5·8	—	5·4	—	5·8	—	6·7	—	8·1	—	8·1	—	8·1	—	8·9	—	8·9	—	9·4	—	10·3
14	—	10·3	—	8·9	—	8·5	—	8·9	—	7·6	—	5·8	—	7·2	—	8·1	—	8·1	—	7·6	—	8·1	—	6·3
15	—	11·2	—	13·9	—	11·6	—	8·9	—	11·2	—	10·3	—	9·8	—	7·6	—	10·7	—	6·3	—	1·3	—	7·6
16	—	4·5	—	2·7	—	8·9	—	9·8	—	10·7	—	13·4	—	17·0	—	17·9	—	19·2	—	19·7	—	17·9	—	14·3
17	—	19·2	—	19·7	—	20·6	—	17·0	—	21·5	—	20·1	—	14·8	—	13·4	—	16·5	—	13·0	—	12·5	—	13·0
18	—	15·2	—	14·3	—	14·8	—	12·1	—	12·1	—	8·5	—	9·4	—	13·4	—	11·2	—	11·6	—	10·3	—	12·1
19	—	7·6	—	8·9	—	8·9	—	12·1	—	10·7	—	8·9	—	5·4	—	10·3	—	7·6	—	12·1	—	10·3	—	15·2
20	—	8·1	—	8·9	—	7·6	—	8·1	—	8·1	—	8·1	—	10·3	—	13·4	—	10·3	—	8·9	—	8·5	—	11·2
21	—	0·0	—	0·0	—	1·8	—	4·0	—	6·3	—	10·3	—	10·7	—	12·1	—	6·7	—	6·7	—	12·1	—	10·7
22	—	15·2	—	13·0	—	13·0	—	10·3	—	11·6	—	10·7	—	10·3	—	6·3	—	8·1	—	12·1	—	12·1	—	16·5
23	—	14·3	—	14·8	—	17·4	—	20·6	—	17·4	—	14·8	—	17·9	—	17·9	—	18·8	—	16·5	—	15·7	—	10·7
24	—	19·2	—	15·7	—	16·1	—	15·2	—	14·3	—	17·9	—	12·5	—	17·9	—	17·0	—	14·8	—	15·7	—	13·9
25	—	2·2	—	3·6	—	5·4	—	4·9	—	1·3	—	2·7	—	0·9	—	3·1	—	2·2	—	8·1	—	9·8	—	8·9
26	—	5·8	—	4·9	—	10·7	—	17·9	—	17·0	—	14·8	—	15·7	—	16·1	—	13·9	—	5·4	—	12·1	—	13·4
27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	—	4·9	—	11·6	—	6·7	—	6·7
28	—	10·7	—	12·5	—	11·2	—	11·2	—	12·5	—	10·3	—	12·5	—	13·9	—	13·4	—		—	13·0	—	15·2
Mean ...	—	6·0	—	5·8	—	6·6	—	6·6	—	6·7	—	6·5	—	6·5	—	7·1	—	6·9	—	7·0	—	7·1	—	7·5
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.
1	—	3·6	—	3·1	—	1·3	—	1·3	—	1·3	—	0·0	—	0·5	—	0·0	—	0·0	—	2·2	—	2·7	—	2·7	0·9
2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·9
3	—	4·5	—	5·8	—	5·8	—	2·2	—	0·9	—	3·1	—	1·8	—	0·5	—	0·0	—	0·5	—	0·9	—	0·5	2·7
4	—	1·8	—	2·7	—	2·2	—	2·7	—	2·2	—	1·3	—	3·1	—	1·8	—	1·3	—	0·9	—	2·2	—	2·7	1·8
5	—	1·8	—	4·5	—	4·5	—	3·1	—	1·8	—	0·9	—	0·5	—	0·5	—	2·7	—	2·2	—	3·6	—	2·7	1·8
6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·0
7	—	1·3	—	4·0	—	4·0	—	4·0	—	0·0	—	1·3	—	0·0	—	0·0	—	0·5	—	0·5	—	1·3	—	0·0	0·9
8	—	0·0	—	0·9	—	3·1	—	1·8	—	0·0	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	0·9
9	—	8·5	—	8·9	—	9·8	—	5·4	—	1·3	—	1·8	—	4·5	—	5·4	—	4·9	—	7·6	—	8·1	—	5·8	3·6
10	—	3·6	—	3·6	—	1·8	—	0·0	—	0·0	—	1·3	—	4·0	—	1·3	—	2·7	—	0·5	—	2·7	—	3·1	4·5
11	—	4·5	—	2·7	—	1·3	—	0·0	—	0·0	—	0·0	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·8
12	—	5·4	—	4·5	—	4·5	—	4·5	—	5·4	—	3·1	—	1·8	—	4·5	—	3·1	—	4·0	—	5·4	—	5·8	2·7
13	—	8·9	—	8·9	—	10·3	—	8·5	—	8·5	—	8·5	—	10·3	—	10·3	—	10·7	—	12·1	—	9·8	—	8·9	8·5
14	—	8·1	—	7·6	—	4·9	—	4·5	—	4·5	—	5·4	—	5·4	—	2·7	—	7·2	—	10·7	—	7·6	—	8·5	7·2
15	—	8·9	—	10·3	—	3·6	—	4·0	—	4·0	—	2·7	—	0·5	—	5·4	—	3·6	—	6·7	—	4·0	—	4·5	7·2
16	—	14·8	—	11·6	—	8·9	—	8·1	—	8·1	—	12·5	—	12·1	—	16·1	—	16·5	—	16·5	—	21·0	—	18·3	13·4
17	—	14·8	—	12·5	—	11·2	—	12·1	—	9·8	—	12·1	—	13·4	—	13·0	—	13·4	—	12·1	—	13·9	—	15·2	14·8
18	—	12·5	—	10·7	—	7·6	—	5·8	—	6·3	—	3·6	—	5·8	—	7·6	—	7·6	—	4·5	—	8·1	—	8·1	9·8
19	—	15·7	—	13·4	—	8·9	—	9·8	—	8·1	—	7·6	—	8·5	—	1·3	—	5·8	—	4·0	—	4·5	—	0·5	8·5
20	—	7·2	—	8·9	—	8·1	—	8·9	—	8·9	—	3·1	—	1·8	—	5·8	—	0·5	—	1·8	—	0·5	—	0·0	7·2
21	—	11·2	—	16·5	—	12·1	—	8·1	—	10·3	—	11·6	—	12·1	—	13·4	—	14·3	—	15·2	—	16·5	—	17·0	9·8
22	—	16·5	—	18·8	—	14·8	—	16·1	—	10·7	—	16·5	—	10·7	—	11·2	—	13·4	—	14·8	—	16·5	—	16·5	13·0
23	—	16·5	—	12·5	—	13·0	—	17·0	—	15·2	—	14·8	—	13·9	—	11·2	—	14·8	—	16·5	—	17·4	—	20·1	15·7
24	—	11·6	—	14·8	—	12·1	—	11·2	—	11·6	—	3·1	—	5·4	—	2·7	—	3·1	—	2·7	—	1·3	—	0·0	11·2
25	—	6·7	—	10·3	—	10·3	—	10·7	—	11·2	—	13·4	—	8·9	—	8·1	—	10·3	—	12·5	—	8·9	—	4·9	7·2
26	—	11·6	—	13·4	—	15·2	—	12·1	—	7·6	—	5·4	—	3·6	—	9·4	—	3·1	—	3·6	—	0·0	—	0·0	9·8
27	—	5·4	—	7·6	—	3·6	—	4·0	—	0·0	—	5·4	—	5·4	—	3·6	—	8·9	—	12·1	—	13·9	—	10·7	4·5
28	—	14·8	—	10·3	—	15·7	—	10·7	—	13·0	—	11·6	—	12·1	—	9·4	—	8·9	—	5·8	—	8·1	—	6·3	11·6
	—	7·9	—	8·2	—	7·1	—	6·3	—	5·4	—	5·4	—	5·3	—	5·2	—	5·7	—	6·1	—	6·4	—	5·8	6·5
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Normals.

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. FEBRUARY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
10	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	0·76	0·25	0·25	0·25	—	—	—	—	—	—	—	2·01
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	0·25
13	—	—	0·25	0·25	0·51	0·51	1·02	1·02	1·02	0·25	0·51	—	—	—	—	—	—	—	0·51	0·51	0·51	1·02	1·27	2·03	11·19
14	0·76	0·76	1·52	1·27	1·02	1·02	1·02	0·76	0·76	0·51	0·76	0·76	0·25	0·25	0·51	—	—	—	—	—	—	0·76	1·27	—	13·96
15	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
16	2·28	2·03	0·76	2·03	2·79	2·79	1·78	0·76	—	—	0·51	1·02	1·78	1·27	—	—	—	0·25	0·25	0·51	0·76	1·27	0·51	—	23·35
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·52	1·52	2·03	0·51	0·51	2·03	2·03	1·27	1·02	12·44
18	0·76	0·25	0·51	0·51	0·51	0·25	—	—	1·02	0·76	1·02	1·27	1·52	3·30	2·28	3·05	3·56	3·30	1·78	1·52	1·02	0·25	2·28	—	30·72
19	—	0·25	0·51	0·25	—	1·52	1·27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·80
20	—	—	—	—	—	1·27	1·52	0·51	0·25	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	4·06
21	—	—	—	0·25	1·02	1·27	1·27	2·03	1·52	0·76	1·02	0·51	2·03	1·52	2·54	3·05	5·08	3·30	0·76	—	0·51	1·27	3·30	2·54	35·55
22	2·54	0·25	0·25	1·02	—	—	0·25	—	0·25	1·52	—	—	—	—	—	0·25	—	—	—	—	0·51	1·02	0·76	—	8·62
23	—	—	—	—	2·03	3·81	7·62	6·60	4·83	2·54	1·02	—	—	—	—	0·51	0·76	1·27	0·25	1·27	0·25	0·25	0·51	—	33·52
24	—	0·51	0·51	—	1·02	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	0·25	2·80
25	0·25	0·25	0·76	0·51	0·51	0·25	0·25	0·51	0·25	0·51	—	0·51	0·25	0·25	1·52	—	0·25	—	—	—	—	—	—	0·25	7·08
26	1·78	2·03	—	0·51	0·25	—	—	0·25	0·51	1·02	0·51	—	0·51	0·25	—	—	—	—	—	—	—	—	—	—	7·62
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·76	1·52	1·78	1·27	1·27	1·27	—	—	—	8·12
28	0·76	2·28	2·79	0·76	0·25	1·02	0·25	—	—	—	0·76	—	0·76	0·76	2·03	0·51	—	—	—	—	—	—	—	—	12·93
Sum ...	9·64	8·61	7·86	7·36	9·91	13·71	16·50	12·44	10·41	7·87	6·36	4·32	7·61	8·36	9·89	9·90	13·19	11·93	5·33	5·59	6·86	7·87	11·17	6·09	218·78
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. FEBRUARY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	—	—	—	7·3	
2	—	—	—	—	—	—	—	—	—	·7	1·0	·3	—	—	—	—	—	2·0	
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8	—	—	—	—	—	—	—	—	·7	·4	—	—	—	—	—	—	—	1·1	
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	—	—	—	6·4	
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	—	—	—	·2	1·0	1·0	·4	·7	·9	1·0	·5	—	—	—	—	—	—	5·7	
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	—	—	—	—	·2	·4	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	7·7	
20	—	—	—	—	·1	1·0	·9	·9	·8	1·0	·4	·9	·1	—	—	—	—	6·1	
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	·6	·2	·3	·5	·5	—	—	—	—	—	—	—	2·1	
23	—	—	—	—	—	—	—	·1	·4	—	—	—	—	—	—	—	—	0·5	
24	—	—	—	·1	1·0	1·0	·8	1·0	·9	·7	·9	1·0	1·0	·1	—	—	—	8·5	
25	—	—	—	·4	·9	—	·2	—	—	—	—	·6	·4	—	—	—	—	2·5	
26	—	—	—	—	—	·7	1·0	·6	·9	·7	·9	1·0	1·0	—	—	—	—	6·8	
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	0·7	3·6	6·7	6·5	6·6	8·1	8·0	6·7	6·1	3·5	0·2	—	—	—	56·7	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE IN DEGREES ABSOLUTE,—DRY-BULB. FEBRUARY, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	*	*	*	*	*	*	*	*	*	*	*	60	56	71	77	79	80	90	79	71	69	94	94	97	96	79·5
2	96	94	83	86	81	77	72	59	58	73	66	*	*	*	*	74·0	85	97	80	81	72	69	100	81	74	78·5
3	66	75	73	66	76	82	83	78	75	79	79	73	75	74	72	71	76	77	75	76	82	73	78	78	78	75·8
4	78	80	86	89	87	85	79	78	77	84	77	72	72	70	73	72	69	75	74	73	75	66	74	83	73	76·7
5	83	75	73	73	73	72	75	74	78	82	81	85	88	85	88	88	91	91	90	92	91	91	90	89	88	83·4
6	88	88	89	84	80	77	70	63	65	64	83	81	84	71	81	84	85	85	87	87	90	91	89	91	91	81·6
7	91	95	94	94	90	94	91	92	100	90	77	82	77	66	79	83	84	84	86	85	90	92	91	90	92	87·4
8	92	85	86	80	85	84	87	87	85	85	80	80	82	73	73	74	73	80	82	84	84	88	88	92	91	82·8
9	91	95	92	93	94	96	92	93	92	91	96	94	76	78	78	74	73	75	77	77	82	84	87	90	92	86·3
10	92	96	97	98	97	100	100	100	99	100	91	96	91	96	94	95	96	98	83	77	80	78	76	75	70	91·4
11	70	81	73	67	77	73	70	72	66	73	67	74	70	70	76	80	84	83	80	78	85	85	79	64	80	75·1
12	80	84	69	78	69	69	87	93	95	100	96	94	99	98	96	93	95	92	95	95	96	97	98	97	98	90·6
13	98	98	98	99	98	96	99	97	97	95	96	98	98	99	98	100	98	98	98	98	97	98	97	97	95	97·7
14	95	94	93	95	94	96	95	96	96	96	97	97	92	97	98	98	94	92	93	92	97	96	96	87	89	94·7
15	89	88	79	80	81	79	81	73	71	76	79	82	77	65	66	69	71	79	84	89	95	92	80	77	85	79·2
16	85	90	97	100	100	100	100	100	100	100	98	97	95	96	97	99	99	98	98	100	99	98	86	74	96	96·7
17	74	72	75	77	81	76	81	76	79	70	67	71	74	78	82	81	86	92	91	90	93	95	93	90	93	81·4
18	93	95	96	96	96	94	97	98	96	96	96	97	97	99	99	89	89	89	89	87	87	89	87	90	78	93·1
19	78	81	82	85	83	82	82	88	85	83	74	71	67	65	60	67	75	64	63	61	55	58	59	64	59	71·8
20	59	87	87	82	80	80	78	83	80	87	73	79	70	73	73	92	75	73	75	84	75	78	80	77	81	78·8
21	81	85	89	90	94	94	94	95	93	96	92	94	98	99	98	96	97	98	98	99	100	99	98	100	100	95·3
22	100	100	85	82	80	84	82	85	84	85	84	80	70	73	66	79	82	75	76	85	83	91	94	91	90	83·0
23	90	90	93	94	94	96	*	*	*	99	*	*	*	*	*	79	84	91	87	79	85	81	85	76	74	87·2
24	74	73	87	87	80	*	*	*	*	71	69	81	74	71	73	78	71	74	80	83	84	86	83	87	88	78·7
25	88	94	96	93	96	97	96	97	98	97	93	85	88	82	83	91	80	80	77	77	81	70	76	75	82	87·0
26	82	86	80	76	82	76	71	74	65	82	78	75	82	90	76	79	76	77	71	78	76	83	81	81	79	78·2
27	79	80	69	72	72	78	84	86	82	70	79	86	88	89	92	95	96	98	96	100	99	100	100	100	98	87·5
28	98	93	98	99	97	100	100	100	100	100	97	85	89	85	87	91	85	81	79	71	73	73	74	75	73	88·2
Mean ...	75·2	75·1	74·8	75·0	74·9	74·7	74·6	74·6	74·8	75·3	75·7	76·6	77·3	77·5	77·6	77·2	77·0	76·4	76·0	75·6	75·5	75·4	75·5	75·3	75·2	75·7
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* No record.

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). FEBRUARY, 1911.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	*	*	*	*	*	*	*	*	*	*	*	60	56	71	77	79	80	90	79	71	69	94	94	97	96	79·5
2	96	94	83	86	81	77	72	59	58	73	66	*	*	*	*	85	97	80	81	72	69	100	81	74	66	78·5
3	66	75	73	66	76	82	83	78	75	79	79	73	75	74	72	71	76	77	75	76	82	73	78	78	78	75·8
4	78	80	86	89	87	85	79	78	77	84	77	72	72	70	73	72	69	75	74	73	75	66	74	83	73	76·7
5	83	75	73	73	73	72	75	74	78	82	81	85	88	85	88	88	91	91	90	92	91	91	90	89	88	83·4
6	88	88	89	84	80	77	70	63	65	64	83	81	84	71	81	84	85	85	87	87	90	91	89	91	91	81·6
7	91	95	94	94	90	94	91	92	100	90	77	82	77	66	79	83	84	84	86	85	90	92	91	90	92	87·4
8	92	85	86	80	85	84	87	87	85	85	80	80	82	73	73	74	73	80	82	84	84	88	88	92	91	82·8
9	91	95	92	93	94	96	92	93	92	91	96	94	76	78	78	74	73	75	77	77	82	84	87	90	92	86·3
10	92	96	97	98	97	100	100	100	99	100	91	96	91	96	94	95	96	98	83	77	80	78	76	75	70	91·4
11	70	81	73	67	77	73	70	72	66	73	67	74	70	70	76	80	84	83	80	78	85	85	79	64	80	75·1
12	80	84	69	78	69	69	87	93	95	100	96	94	99	98	96	93	95	92	95	95	96	97	98	97	98	90·6
13	98	98	98	99	98	96	99	97	97	95	96	98	98	99	98	100	98	98	98	98	97	98	97	97	95	97·7
14	95	94	93	95	94	96	95	96	96	96	97	97	92	97	98	98	94	92	93	92	97	96	96	87	89	94·7
15	89	88	79	80	81	79	81	73	71	76	79	82	77	65	66	69	71	79	84	89	95	92	80	77	85	79·2
16	85	90	97	100	100	100	100	100	100	100	98	97	95	96	97	99	99	98	98	100	99	98	86	74	96	96·7
17	74	72	75	77	81	76	81	76	79	70	67	71	74	78	82	81	86	92	91	90	93	95	93	90	93	81·4
18	93	95	96	96	96	94	97	98	96	96	96	97	97	99	99	89	89	89	89	87	87	89	87	90	78	93·1
19	78	81	82	85	83	82	82	88	85	83	74	71	67	65	60	67	75	64	63	61	55	58	59	64	59	71·8
20	59	87	87	82	80	80	78	83	80	87	73	79	70	73	73	92	75	73	75	84	75	78	80	77	81	78·8
21	81	85	89	90	94	94	94	95	93	96	92	94	98	99	98	96	97	98	98	99	100	99	98	100	100	95·3
22	100	100	85	82	80	84	82	85	84	85	84	80	70	73	66	79	82	75	76	85	83	91	94	91	90	83·0
23	90	90	93	94	94	96	*	*	*	99	*	*	*	*	*	79	84	91	87	79	85	81	85	76	74	87·2
24	74	73	87	87	80	*	*	*	*	71	69	81	74	71	73	78	71	74	80	83	84	86	83	87	88	78·7
25	88	94	96	93	96	97	96	97	98	97	93	85	88	82	83	91	80	80	77	77	81	70	76	75	82	87·0
26	82	86	80	76	82	76	71	74	65	82	78	75	82	90	76	79	76	77	71	78	76	83	81	81	79	78·2
27	79	80	69	72	72	78	84	86	82	70	79	86	88	89	92	95	96	98	96	100	99	100	100	100	98	87·5
28	98	93	98	99	97	100	100	100	100	100	97	85	89	85	87	91	85	81	79	71	73	73	74	75	73	88·2
Mean ...	84·8	87·2	85·9	85·7	85·8	86·0	85·8	85·5	84·6	86·1	83·3	83·4	81·9	81·3	82·1	84·3	84·3	84·6	83·7	83·6	84·6	87·0	85·5	84·4	84·4	84·7
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* No record.

METEOROLOGICAL OFFICE OBSERVATORIES.

[*Price Sixpence.*]

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** MARCH, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.
Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES OF PRESSURE and TEMPERATURE. MARCH, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0229	·0120	84·2	78·8	9	·0231	·0163	81·4	77·3	17	·0044	**·9970**	81·2	77·9	25	·0291	·0193	81·4	76·0
2	·0304	·0228	85·1	83·1	10	·0179	·9998	83·8	78·9	18	·0026	·9975	79·3	77·2	26	·0291	·0212	80·2	73·5
3	**·0305**	·0197	85·7	82·9	11	·0185	·0111	82·2	78·4	19	·0029	·0004	82·9	78·2	27	·0213	·0125	81·8	75·1
4	·0249	·0146	83·2	75·3	12	·0154	·9980	81·9	77·6	20	·0065	·0026	83·9	78·0	28	·0125	·0044	80·2	76·5
5	·0248	·0161	81·3	74·5	13	·0176	·0096	80·6	77·6	21	·0080	·0055	84·9	78·1	29	·0084	·0043	83·9	75·5
6	·0270	·0167	80·9	75·3	14	·0182	·0130	81·7	77·8	22	·0103	·0075	83·0	78·0	30	·0080	·0014	82·1	74·1
7	·0271	·0193	81·7	73·6	15	·0130	·0069	80·7	75·2	23	·0147	·0102	83·6	80·7	31	·0076	·0012	**86·3**	81·2
8	·0193	·0126	83·4	76·5	16	·0070	·0044	81·8	**72·3**	24	·0194	·0125	82·9	78·1	Mean.	—	—	82·5	77·2

VALENCIA. TABLE II. MARCH, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.
The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0120	·0135	·0141	·0152	·0160	·0167	·0177	·0188	·0194	·0204	·0208	·0211	·0211	·0214	·0211	·0213	·0211	·0211	·0212	·0214	·0219	·0222	·0224	·0225	·0228	·0196
2	·0228	·0232	·0238	·0244	·0246	·0250	·0255	·0259	·0266	·0273	·0275	·0281	·0284	·0286	·0287	·0289	·0291	·0296	·0298	·0302	·0302	·0302	·0301	·0302	·0304	·0276
3	·0304	·0302	·0301	·0298	·0290	·0287	·0286	·0285	·0281	·0282	·0279	·0279	·0274	·0270	·0261	·0259	·0253	·0248	·0243	·0237	·0232	·0223	·0213	·0207	·0197	·0264
4	·0197	·0187	·0174	·0158	·0150	·0147	·0155	·0161	·0170	·0178	·0188	·0199	·0206	·0214	·0221	·0223	·0230	·0234	·0237	·0240	·0244	·0244	·0243	·0247	·0244	·0205
5	·0244	·0247	·0248	·0246	·0240	·0235	·0226	·0226	·0223	·0216	·0214	·0210	·0210	·0205	·0194	·0187	·0176	·0175	·0173	·0171	·0161	·0168	·0167	·0167	·0172	·0204
6	·0172	·0168	·0171	·0175	·0174	·0176	·0184	·0197	·0195	·0205	·0217	·0219	·0226	·0229	·0232	·0235	·0241	·0246	·0252	·0259	·0261	·0268	·0269	·0269	·0270	·0220
7	·0270	·0270	·0271	·0270	·0268	·0266	·0266	·0268	·0266	·0266	·0261	·0259	·0255	·0252	·0243	·0240	·0232	·0227	·0222	·0221	·0215	·0210	·0206	·0202	·0193	·0245
8	·0193	·0186	·0178	·0171	·0174	·0173	·0172	·0172	·0171	·0169	·0162	·0159	·0154	·0145	·0138	·0132	·0130	·0132	·0132	·0139	·0142	·0154	·0155	·0160	·0163	·0157
9	·0163	·0173	·0175	·0180	·0186	·0195	·0202	·0207	·0210	·0215	·0220	·0228	·0228	·0230	·0223	·0222	·0219	·0218	·0213	·0210	·0207	·0202	·0197	·0189	·0178	·0205
10	·0178	·0165	·0151	·0136	·0120	·0104	·0082	·0062	·0043	·0021	·0008	·0004	·9999	·0000	·0004	·0006	·0024	·0035	·0051	·0064	·0075	·0088	·0094	·0103	·0111	·0066
11	·0111	·0116	·0124	·0130	·0135	·0139	·0149	·0156	·0165	·0170	·0176	·0180	·0185	·0184	·0180	·0179	·0179	·0179	·0180	·0180	·0176	·0173	·0166	·0162	·0154	·0162
12	·0154	·0143	·0132	·0119	·0105	·0089	·0071	·0054	·0039	·0019	·9996	·9984	·9985	·9992	·0003	·0010	·0021	·0028	·0043	·0049	·0056	·0068	·0079	·0089	·0096	·0054
13	·0096	·0098	·0098	·0098	·0098	·0099	·0102	·0104	·0108	·0120	·0124	·0126	·0130	·0130	·0134	·0135	·0139	·0141	·0149	·0155	·0159	·0168	·0169	·0171	·0176	·0129
14	·0176	·0180	·0181	·0180	·0179	·0179	·0180	·0179	·0180	·0180	·0181	·0180	·0180	·0175	·0166	·0163	·0159	·0157	·0154	·0151	·0149	·0149	·0141	·0138	·0130	·0167
15	·0130	·0127	·0121	·0115	·0106	·0104	·0102	·0098	·0096	·0095	·0094	·0093	·0091	·0089	·0085	·0079	·0075	·0076	·0075	·0078	·0075	·0074	·0071	·0069	·0070	·0091
16	·0070	·0066	·0063	·0061	·0060	·0057	·0058	·0058	·0059	·0060	·0061	·0062	·0062	·0059	·0058	·0055	·0050	·0049	·0055	·0054	·0052	·0052	·0049	·0047	·0044	·0057
17	·0044	·0039	·0030	·0023	·0020	·0016	·0010	·0008	·0006	·0004	·0003	·9999	·9998	·9993	·9987	·9980	·9977	·9974	·9971	·9973	·9974	·9974	·9971	·9973	·9975	·9996
18	·9975	·9980	·9987	·9987	·9989	·9991	·9994	·0002	·0005	·0011	·0013	·0020	·0022	·0024	·0023	·0022	·0020	·0019	·0018	·0023	·0022	·0023	·0025	·0023	·0018	·0010
19	·0018	·0015	·0015	·0012	·0005	·0006	·0009	·0008	·0014	·0016	·0019	·0017	·0013	·0014	·0006	·0004	·0007	·0006	·0012	·0024	·0023	·0029	·0026	·0028	·0028	·0015
20	·0028	·0035	·0032	·0027	·0030	·0030	·0032	·0032	·0032	·0032	·0032	·0035	·0041	·0038	·0039	·0039	·0040	·0041	·0046	·0051	·0054	·0059	·0062	·0064	·0063	·0040
21	·0063	·0063	·0062	·0060	·0057	·0059	·0059	·0061	·0062	·0063	·0069	·0067	·0067	·0065	·0061	·0058	·0056	·0057	·0059	·0068	·0074	·0076	·0078	·0079	·0080	·0065
22	·0080	·0079	·0077	·0076	·0075	·0076	·0077	·0080	·0084	·0088	·0090	·0092	·0093	·0093	·0093	·0091	·0091	·0092	·0096	·0097	·0098	·0102	·0103	·0102	·0102	·0089
23	·0102	·0104	·0105	·0107	·0109	·0114	·0123	·0128	·0133	·0140	·0144	·0145	·0145	·0146	·0143	·0143	·0139	·0139	·0141	·0143	·0141	·0141	·0135	·0135	·0130	·0132
24	·0130	·0132	·0128	·0132	·0130	·0130	·0128	·0126	·0128	·0136	·0144	·0146	·0144	·0140	·0143	·0143	·0153	·0155	·0161	·0168	·0173	·0180	·0184	·0189	·0193	·0148
25	·0193	·0201	·0204	·0207	·0212	·0217	·0222	·0228	·0232	·0240	·0245	·0246	·0248	·0253	·0254	·0255	·0257	·0259	·0261	·0265	·0273	·0281	·0284	·0290	·0291	·0245
26	·0291	·0290	·0287	·0283	·0279	·0280	·0280	·0279	·0280	·0276	·0266	·0261	·0261	·0253	·0247	·0239	·0232	·0229	·0226	·0222	·0224	·0219	·0217	·0214	·0213	·0255
27	·0213	·0211	·0208	·0203	·0200	·0193	·0192	·0185	·0183	·0187	·0180	·0181	·0171	·0166	·0162	·0157	·0152	·0148	·0144	·0146	·0145	·0143	·0139	·0135	·0125	·0171
28	·0125	·0122	·0113	·0101	·0093	·0086	·0080	·0078	·0074	·0072	·0069	·0064	·0061	·0056	·0052	·0048	·0046	·0046	·0048	·0048	·0052	·0055	·0056	·0056	·0056	·0069
29	·0056	·0053	·0050	·0045	·0044	·0048	·0048	·0054	·0060	·0063	·0073	·0075	·0077	·0075	·0075	·0075	·0074	·0076	·0077	·0077	·0080	·0084	·0081	·0081	·0080	·0067
30	·0080	·0078	·0075	·0070	·0063	·0060	·0058	·0056	·0054	·0052	·0049	·0050	·0045	·0040	·0036	·0029	·0025	·0023	·0020	·0016	·0016	·0019	·0018	·0019	·0022	·0043
31	·0022	·0021	·0016	·0015	·0017	·0023	·0023	·0032	·0038	·0041	·0049	·0048	·0052	·0051	·0051	·0053	·0052	·0055	·0059	·0063	·0064	·0066	·0071	·0076	·0074	·0045
Mean...	1·0 1363	1·0 1361	1·0 1341	1·0 1316	1·0 1295	1·0 1286	1·0 1291	1·0 1301	1·0 1306	1·0 1322	1·0 1329	1·0 1331	1·0 1328	1·0 1316	1·0 1294	1·0 1278	1·0 1275	1·0 1281	1·0 1299	1·0 1325	1·0 1335	1·0 1358	1·0 1355	1·0 1358	1·0 1347	1·0 1318
Normals 1871–1910.	1·0 1247	1·0 1229	1·0 1219	1·0 1193	1·0 1172	1·0 1169	1·0 1179	1·0 1189	1·0 1210	1·0 1226	1·0 1239	1·0 1243	1·0 1247	1·0 1232	1·0 1212	1·0 1193	1·0 1186	1·0 1186	1·0 1206	1·0 1226	1·0 1243	1·0 1254	1·0 1261	1·0 1257	1·0 1254	1·0 1218

(21168—24.) Wt. 41466—310. 250. 9/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	26	7·6	24	6·7	26	7·6	23	6·7	21	6·7	22	8·1	23	5·8	21	6·7	21	5·4	21	5·8	20	5·4	20	7·6
2	20	9·4	21	11·2	21	10·3	21	9·8	21	10·7	21	9·4	21	9·4	21	8·9	21	9·4	21	9·8	21	8·1	21	8·1
3	20	6·7	20	6·7	20	6·7	19	6·7	17	5·4	20	6·7	19	5·8	16	4·5	19	6·3	19	6·7	20	6·7	19	7·2
4	16	5·8	16	6·7	16	6·3	17	5·4	21	8·5	31	9·4	1	9·4	1	9·4	1	9·4	1	9·4	1	7·2	1	7·2
5	7	1·8	7	1·8	8	1·8	8	2·7	8	2·7	5	2·2	—	0·9	10	2·2	14	5·4	14	6·7	15	5·4	15	4·9
6	25	12·1	26	10·7	28	9·4	28	12·1	26	10·7	30	9·4	29	11·6	26	10·7	31	12·5	31	11·2	29	9·4	30	13·0
7	2	3·1	—	0·9	—	0·9	—	1·3	2	1·8	2	1·8	—	1·3	2	2·2	—	1·3	—	1·3	4	1·8	15	2·2
8	15	4·9	15	3·6	—	0·9	25	1·8	24	2·2	24	1·8	26	1·8	—	0·5	—	0·9	22	3·6	22	4·0	21	5·4
9	28	10·3	29	7·6	29	10·3	29	9·4	27	8·9	28	4·5	26	6·7	27	4·9	28	7·2	26	4·0	31	4·5	28	4·0
10	17	4·9	16	5·4	16	6·3	16	6·7	16	7·2	15	8·1	15	8·5	15	9·4	15	8·1	15	8·1	16	6·7	19	5·4
11	32	6·7	31	5·4	31	7·6	32	5·4	32	4·9	1	5·8	31	5·4	1	4·5	28	4·9	31	4·0	30	4·0	31	4·0
12	19	3·1	17	3·1	17	4·0	18	4·5	17	4·0	16	4·5	15	4·0	15	4·0	14	5·4	8	6·3	6	6·7	5	9·8
13	1	4·5	1	3·6	1	4·5	32	6·7	32	6·7	32	4·9	1	4·9	1	5·8	1	5·4	2	4·5	1	7·6	31	8·5
14	2	3·6	1	3·6	2	4·5	1	4·9	1	4·9	2	6·3	1	6·7	1	5·4	2	4·5	2	4·0	2	3·6	32	6·3
15	32	5·4	32	4·0	32	3·1	32	2·2	32	1·8	32	3·1	32	4·0	2	3·1	3	4·0	3	3·6	2	3·1	1	3·1
16	—	1·3	—	0·5	—	1·3	—	0·9	—	1·3	—	1·3	—	0·9	5	1·8	—	0·0	—	0·0	—	0·5	—	0·9
17	9	7·6	9	6·7	9	4·9	8	6·7	8	5·8	8	5·4	8	5·4	8	6·7	7	7·6	7	8·1	8	7·6	8	8·1
18	7	10·3	7	11·6	8	10·7	7	11·6	9	11·6	7	12·1	7	9·8	6	10·3	6	10·3	6	11·8	6	10·3	6	9·4
19	10	9·4	6	8·5	8	9·4	9	9·8	8	9·4	8	8·1	7	8·1	8	6·7	12	5·4	8	4·9	8	6·3	8	11·6
20	8	5·4	6	9·4	7	8·9	6	7·2	7	7·6	7	5·8	6	8·1	5	6·3	6	9·4	7	8·9	7	7·6	6	4·5
21	—	0·9	—	0·5	—	0·5	—	0·9	2	1·8	6	2·7	—	0·9	4	1·8	—	1·3	—	0·9	—	0·9	25	1·8
22	—	0·9	—	0·9	—	0·9	—	1·3	7	1·8	—	1·3	—	1·3	3	1·8	5	2·7	5	4·0	6	5·4	5	6·7
23	8	7·2	9	9·4	9	9·4	9	8·5	9	8·1	9	6·3	8	7·6	8	7·2	9	5·4	7	4·5	9	4·5	8	4·5
24	6	4·0	6	6·7	5	3·1	2	3·6	4	5·4	4	3·6	5	9·4	6	10·3	6	9·8	4	8·1	4	8·9	4	8·1
25	7	3·6	5	1·8	18	1·8	—	0·9	5	4·5	6	4·5	6	4·5	5	6·7	4	7·6	4	8·5	5	8·9	6	8·9
26	5	4·5	6	6·7	6	6·7	6	5·8	8	4·9	5	4·5	3	3·6	3	5·4	6	5·4	4	6·7	4	9·4	4	8·5
27	4	6·7	4	7·2	4	7·6	5	8·1	5	9·8	5	10·3	3	12·5	4	12·5	4	9·4	2	8·1	5	8·9	6	10·3
28	4	5·4	3	5·4	3	5·8	5	5·4	6	4·5	5	5·4	6	5·4	5	5·8	6	6·7	6	5·4	6	6·3	5	6·3
29	8	4·5	10	4·5	12	7·2	12	7·2	12	7·2	12	6·3	12	6·7	13	6·7	13	5·4	14	3·6	14	5·8	15	5·4
30	7	2·7	7	1·8	—	1·3	7	1·8	—	1·3	—	0·9	5	2·2	3	2·2	5	4·0	2	4·5	3	3·1	4	3·1
31	5	4·9	7	5·4	10	5·4	10	5·4	10	5·4	11	6·3	11	5·4	10	4·9	9	5·4	10	4·5	8	6·7	9	4·5
Mean ...	—	5·5	—	5·4	—	5·5	—	5·5	—	5·7	—	5·5	—	5·7	—	5·8	—	6·0	—	5·9	—	6·0	—	6·4
Normals 1881-1910.	—	5·5	—	5·4	—	5·3	—	5·2	—	5·1	—	5·3	—	5·2	—	5·4	—	5·6	—	5·9	—	6·0	—	6·6

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. MARCH, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	0·25	—	0·25	0·25	0·25	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·25
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	0·51	—	—	—	1·01
4	—	1·02	1·78	3·05	1·52	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·87
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·76	1·02	2·29	0·25	—	—	1·27	0·76	7·11
6	—	0·25	0·25	0·25	0·51	0·25	0·25	—	0·25	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	2·26
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·76	1·27	0·25	0·51	1·02	4·57
8	0·76	0·25	—	—	0·25	—	—	—	—	—	—	—	—	—	—	1·02	0·25	—	—	0·25	0·25	0·25	—	—	3·28
9	—	0·25	—	—	0·25	—	—	—	—	—	0·25	—	0·51	—	—	—	—	—	—	—	0·25	0·25	—	—	1·76
10	—	—	0·25	0·25	1·27	4·06	3·81	6·60	5·59	0·51	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	23·10
11	—	0·25	0·51	—	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·25	—	—	—	1·76
12	—	0·25	0·76	1·27	1·78	1·27	3·05	3·30	1·78	1·78	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	16·00
13	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	0·25	0·50
15	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	0·50
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
19	0·51	—	—	—	—	—	—	—	0·51	0·76	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	2·29
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	1·02	0·25	1·52
23	—	0·51	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	2·03	0·76	7·87	2·29	13·20
29	—	—	—	—	—	—	0·25	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
30	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	0·51	0·25	0·25	1·52	1·27	1·27	1·02	—	1·27	0·51	8·37
31	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
Sum ...	2·53	2·78	3·80	5·32	6·08	6·08	7·86	10·15	9·15	3·05	2·28	—	0·76	0·25	0·76	2·03	1·26	3·79	4·32	2·53	6·08	1·76	11·94	5·33	99·89
Normals 1871-1910.	5·18	4·82	5·69	4·97	5·43	5·51	5·72	5·72	4·77	4·72	3·81	4·04	4·55	4·32	3·71	3·35	3·53	3·81	3·86	4·35	3·96	3·86	3·76	4·67	108·11

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. MARCH, 1911.

	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.
1	20	8·1	20	8·9	19	8·5	20	8·9	20	9·8	20	9·8	20	8·9	20	8·9	20	8·9	20	9·4	20	8·5	20	8·5	7·8
2	21	8·5	20	8·5	21	8·1	21	8·9	21	8·1	21	7·6	21	4·5	19	4·5	20	5·4	19	6·7	19	6·7	20	6·7	8·3
3	19	7·2	19	8·1	19	6·7	19	6·7	16	4·9	17	4·5	16	5·4	17	5·4	17	5·4	17	5·8	17	5·4	16	5·8	6·1
4	2	6·7	32	6·7	2	7·6	1	6·7	2	7·2	2	5·4	2	6·3	2	2·7	—	1·3	7	1·8	—	0·9	—	1·3	6·2
5	16	5·4	16	5·4	16	4·5	16	5·4	17	4·9	17	3·1	17	3·1	19	5·4	25	6·3	25	4·9	25	7·6	26	8·5	4·3
6	31	13·0	30	12·5	31	10·3	31	10·3	31	9·8	31	9·4	32	8·9	32	6·7	32	6·7	1	4·5	2	4·0	2	3·1	9·7
7	17	3·1	16	3·6	16	3·6	16	4·5	16	4·5	16	4·0	16	3·1	16	3·1	16	5·4	15	4·9	15	4·5	15	5·4	2·9
8	20	6·3	20	6·7	20	6·7	25	9·4	24	10·3	25	11·6	27	13·0	29	8·9	30	8·9	27	9·4	29	9·4	27	11·6	6·0
9	26	4·5	24	3·6	24	6·7	25	6·7	26	5·4	23	5·8	22	7·6	21	4·0	21	4·5	21	5·4	19	4·9	18	4·0	6·1
10	21	7·6	27	6·3	29	9·8	31	10·3	31	10·3	31	9·4	31	8·9	31	8·1	31	8·5	31	8·1	30	6·7	32	7·2	7·8
11	28	4·5	27	3·1	28.	3·6	26	4·0	25	5·4	26	4·5	22	4·0	24	4·5	22	3·1	23	2·7	17	2·2	18	3·1	4·5
12	4	9·4	2	10·3	2	10·3	1	11·2	1	10·7	1	9·4	1	8·1	32	7·2	1	8·1	3	8·5	3	6·7	2	5·8	6·9
13	32	8·1	1	8·9	1	8·5	1	9·8	1	9·8	1	7·6	32	7·6	1	8·1	2	6·7	2	8·1	2	7·2	1	6·3	6·8
14	32	6·7	31	8·1	30	8·1	30	8·1	31	8·1	31	6·7	32	7·2	32	6·7	32	5·8	28	6·7	31	5·4	31	5·8	5·9
15	1	4·9	1	4·5	32	4·5	2	4·9	2	4·5	32	4·5	32	3·6	32	2·2	32	3·1	6	1·8	—	1·3	—	0·9	3·4
16	—	1·3	—	0·9	—	1·3	—	1·3	15	1·8	15	1·8	15	3·1	11	2·2	11	4·0	10	4·5	8	3·6	8	5·8	1·8
17	8	9·4	8	8·5	8	8·5	8	7·6	7	8·9	7	9·4	7	9·8	8	10·3	7	10·3	7	10·3	8	11·2	8	10·3	8·1
18	6	9·4	6	10·7	6	10·3	6	9·8	6	9·8	6	9·4	6	7·6	6	7·6	5	9·4	6	6·7	5	8·1	6	8·1	9·9
19	8	9·8	8	11·6	8	13·0	8	13·0	8	13·4	8	12·5	8	9·8	8	9·4	8	10·7	8	11·2	6	10·3	9	8·1	9·6
20	4	4·5	4	4·9	5	4·0	5	4·5	4	4·5	4	3·1	6	1·8	6	1·8	7	1·8	3	1·8	—	1·3	—	0·9	5·2
21	25	1·8	22	1·8	7.	3·6	6	4·9	5	4·0	5	4·5	—	0·9	—	1·3	—	1·3	—	0·9	—	0·0	—	0·5	1·7
22	6	7·2	5	5·8	6	5·4	6	6·3	6	5·4	6	4·5	7	5·4	7	5·4	7	5·4	6	4·5	7.	4·9	8	4·5	3·9
23	7	6·3	8	6·3	7	5·4	9	7·2	8	5·4	7	5·4	7	4·5	15	3·6	8	4·5	7	6·7	7.	8·1	7	6·3	6·3
24	5	11·2	5	10·7	5	10·3	7	5·4	6	7·2	7	6·7	5	4·0	6	6·3	6	5·8	7	6·3	6	6·7	5	6·3	7·0
25	5	9·4	5	8·9	5	8·9	5	8·9	4	6·7	5	7·2	4	5·8	4	4·5	5	3·6	5	3·1	4	3·1	4	3·1	5·6
26	4	8·1	4	5·4	4	6·3	3	6·7	3	6·3	3	9·4	3	8·1	3	9·8	2	10·3	2	10·3	3	9·4	3	7·6	7·1
27	5	10·7	4	10·3	4	7·2	4	8·1	4	7·6	4	6·7	4	4·5	4	3·1	3	4·0	6	5·4	6	5·8	5	6·7	8·0
28	5	4·9	5	4·9	8	4·0	9	4·5	9	6·7	9	5·8	8	4·5	9	4·9	8	4·9	10	5·8	9	5·4	12	4·5	5·4
29	15	5·4	15	5·4	15	4·9	16	3·6	16	4·5	16	2·2	—	1·3	11	2·2	6	1·8	—	1·3	7	2·2	7	2·2	4·5
30	4	3·1	3	3·1	3	3·6	5	6·3	4	5·4	6	5·4	5	6·3	6	7·2	7	4·5	8	4·5	8	5·4	10	4·9	3·7
31	9	4·9	8	5·8	9	5·4	9	7·6	9	8·1	9	7·2	8	6·7	8	8·1	8	8·9	8	8·1	7	5·4	6	5·4	6·1
	—	6·8	—	6·8	—	6·8	—	7·1	—	7·1	—	6·6	—	5·9	—	5·6	—	5·8	—	5·8	—	5·6	—	5·5	6·0
	—	6·9	—	7·0	—	6·9	—	6·8	—	6·5	—	6·2	—	5·9	—	5·7	—	5·6	—	5·5	—	5·5	—	5·5	5·9

Normals 1881-1910.

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. MARCH, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	·3	·7	·7	1·0	1·0	·2	—	—	—	—	—	—	—	3·9	●⁰ early, then fair to gloomy-looking.
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
3	—	—	—	—	—	—	—	—	·4	—	—	—	—	—	—	—	—	0·4	Misty and overcast.
4	—	—	—	—	—	—	—	·7	·9	·9	1·0	·6	1·0	·5	—	—	—	5·6	≋⁰, dull.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	● early, then fine but slightly squally.
6	—	—	—	—	·1	·9	·8	1·0	1·0	·9	·9	·8	·8	·4	—	—	—	7·6	Dull, with ● P.M. Squally with ▲, to bright.
7	—	—	—	—	—	·1	·6	1·0	—	—	·5	·2	—	—	—	—	—	2·4	▬; fair to dull, with ●⁰.
8	—	—	—	—	—	·2	·5	·5	1·0	·5	—	—	—	—	—	—	—	2·7	Fair to showery.
9	—	—	—	—	·6	1·0	·8	·8	·6	1·0	·8	·8	·2	·2	—	—	—	6·8	Fair generally, with good visibility.
10	—	—	—	—	—	—	—	—	—	—	·2	·6	·4	—	—	—	—	1·2	A.M. ≋² and ●²; P.M. brighter-looking.
11	—	—	—	—	·1	·7	·6	·7	·3	·7	·8	·9	·9	·6	—	—	—	6·3	Showery to fair.
12	—	—	—	—	—	—	—	—	·6	·6	·4	·5	—	—	—	—	—	2·1	● till after 10h., then clearing; ⫽.
13	—	—	—	·1	·1	·9	1·0	1·0	·8	·6	1·0	1·0	1·0	·7	—	—	—	8·2	Clear and fine.
14	—	—	—	·2	1·0	1·0	1·0	·7	·8	1·0	·5	·4	·3	·1	—	—	—	7·0	Fair, with good visibility.
15	—	—	—	—	—	·1	—	·8	1·0	·6	1·0	1·0	1·0	1·0	—	—	—	6·5	Fair.
16	—	—	—	4	1·0	1·0	·9	·8	·6	—	—	·7	·3	·5	—	—	—	6·2	▬; fine to fair.
17	—	—	—	—	—	—	—	·1	·1	—	—	—	—	—	—	—	—	0·2	∞; gloomy-looking and squally.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	∞; dull and squally.
19	—	—	—	—	—	—	—	—	·1	·5	1·0	·8	·2	—	—	—	—	2·6	Dull, with ●, improving in afternoon.
20	—	—	—	—	—	—	—	—	—	—	—	·5	·4	·1	—	—	—	1·0	Dull and hazy.
21	—	—	—	·6	1·0	1·0	1·0	·3	·6	1·0	1·0	1·0	1·0	·5	—	—	—	9·0	∞; fine.
22	—	—	—	—	·1	·1	·5	·7	—	—	—	—	—	—	—	—	—	1·4	Fair with ∞⁰, to gloomy.
23	—	—	—	—	—	—	·1	—	—	·6	·8	·5	·4	—	—	—	—	2·4	Misty to fair.
24	—	—	—	—	·5	1·0	·9	·2	·6	1·0	·6	·4	·9	·7	—	—	—	6·8	Hazy day, with considerable sunshine.
25	—	—	—	·7	1·0	·6	·9	·8	1·0	1·0	·9	·5	1·0	1·0	·2	—	—	9·6	Fine.
26	—	—	—	·6	·2	·3	1·0	·8	·5	—	·2	·2	·5	—	—	—	—	4·3	Fair; ⫽ at times.
27	—	—	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	11·2	Fine.
28	—	—	—	—	—	—	—	—	—	—	·1	·2	·1	—	—	—	—	0·4	Dull; ●² at 23h.
29	—	—	—	—	·1	·1	·1	·7	1·0	1·0	1·0	1·0	·9	1·0	·2	—	—	7·1	Fine after 10h.
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	▬ early, becoming dull with ● later.
31	—	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	9·9	Clear and fine.
	—	—	—	3·4	7·8	11·7	13·4	14·6	14·9	14·3	15·1	14·4	12·9	9·3	1·0	—	—	132·8	Total.
	—	—	0·14	4·30	10·12	12·36	13·22	14·08	14·06	13·53	13·18	12·20	10·72	5·66	0·56	—	—	124·11	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. MARCH, 1911.

First figure (2) omitted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	79°·5	79°·9	79°·6	80°·4	79°·3	79°·7	79°·8	80°·2	80°·4	80°·7	81°·5	82°·4	83°·2	83°·6	84°·0	84°·0	83°·7	83°·7	83°·6	83°·5	83°·6	83°·7	83°·7	83°·7	83°·7	82°·1
2	83·7	83·8	83·9	83·7	83·7	83·7	83·7	83·8	83·8	83·9	84·1	84·7	84·9	85·1	84·8	84·3	84·6	84·1	83·8	83·3	83·7	83·5	83·8	83·5	83·7	84·0
3	83·7	83·5	83·4	83·2	83·2	82·9	83·1	83·1	83·1	83·5	83·9	84·1	84·6	85·1	85·2	84·9	84·3	83·8	83·5	83·2	83·2	83·1	83·2	83·1	82·9	83·7
4	82·9	82·9	82·9	82·9	82·9	83·1	80·4	80·2	80·4	80·6	80·8	81·2	82·0	82·0	81·9	82·1	81·5	81·6	80·7	80·3	79·3	78·4	77·4	76·4	75·4	80·9
5	75·4	75·3	74·8	74·5	74·6	74·8	75·9	76·5	77·3	79·0	79·6	80·9	81·0	81·2	80·6	81·0	81·0	80·6	80·3	80·4	80·9	81·2	81·1	80·9	79·7	78·8
6	79·7	80·2	79·5	77·3	77·5	78·5	78·7	75·7	78·4	79·1	78·2	79·2	80·0	80·6	80·7	80·6	80·4	79·6	79·9	79·5	79·3	79·0	78·8	78·9	78·7	79·1
7	78·7	78·8	77·6	76·8	75·6	74·5	74·1	74·5	73·8	75·7	76·7	79·2	80·9	81·2	81·4	81·4	81·0	80·4	79·9	79·5	79·3	79·6	80·0	80·2	80·6	78·4
8	80·6	81·1	81·2	80·7	80·7	80·7	79·9	80·3	79·4	80·1	81·0	81·9	82·2	83·2	82·4	82·0	79·9	79·2	79·9	78·7	78·2	76·7	78·7	77·6	78·2	80·2
9	78·2	77·5	78·2	79·2	79·3	79·3	77·8	79·0	79·2	80·3	79·9	78·8	78·7	79·8	80·9	81·2	80·4	80·3	80·4	79·9	79·1	79·2	79·2	79·0	78·8	79·4
10	78·8	79·8	79·5	80·1	79·5	79·6	79·5	79·3	79·3	80·6	81·8	82·8	83·5	83·8	82·9	82·8	82·4	81·7	81·7	81·3	80·7	80·6	80·4	80·1	80·1	81·0
11	80·1	79·6	79·5	78·9	78·8	78·9	79·0	79·1	78·5	79·6	80·0	81·0	80·7	81·2	81·8	81·2	81·7	81·7	80·9	80·2	80·0	79·5	79·5	80·0	79·5	80·1
12	79·5	79·6	79·9	80·0	79·8	79·6	79·7	79·8	80·0	80·5	80·9	80·4	80·6	81·6	81·3	81·0	80·4	80·4	80·3	79·8	79·8	79·6	78·8	77·9	78·1	80·0
13	78·1	78·7	78·8	79·1	79·3	78·5	78·8	79·0	78·8	79·0	79·0	79·9	79·5	79·8	79·9	80·4	80·4	80·1	79·3	79·1	78·8	77·9	78·4	78·2	78·4	79·1
14	78·4	78·1	78·8	77·9	78·2	78·8	78·8	79·1	79·0	79·6	80·1	80·7	80·6	81·4	81·4	81·2	80·9	80·4	80·1	79·6	79·2	79·2	79·3	79·5	79·2	79·6
15	79·2	78·4	78·1	78·2	78·2	78·4	78·7	78·5	78·7	79·0	77·9	79·3	80·0	80·2	79·8	80·1	79·9	79·5	79·3	78·5	78·2	77·8	76·8	76·5	75·2	78·7
16	75·2	76·6	75·1	74·8	74·8	73·8	73·5	73·2	72·3	75·2	76·5	78·2	79·2	80·3	80·7	81·3	81·5	80·7	80·2	78·9	77·9	77·7	78·1	77·4	78·2	77·3
17	78·2	78·4	78·7	78·4	78·5	78·4	77·9	78·2	78·8	78·5	79·2	79·6	80·0	80·7	80·9	81·0	80·4	80·1	79·3	79·2	78·8	78·5	78·5	78·8	78·7	79·1
18	78·7	78·5	78·5	78·5	78·6	78·7	78·6	78·5	77·6	77·6	77·9	77·8	78·2	78·0	77·9	77·9	77·8	77·8	77·6	77·3	77·8	78·4	78·2	79·0	78·8	78·2
19	78·8	78·8	78·5	78·7	78·8	79·0	78·8	79·1	79·2	79·8	79·9	80·3	81·0	81·8	82·0	82·8	82·2	81·3	81·2	81·2	81·0	80·9	80·7	79·9	80·4	80·3
20	80·4	79·9	79·3	79·4	78·9	78·8	78·8	78·1	79·3	79·4	80·3	80·3	81·0	81·7	82·2	82·5	83·4	83·8	83·1	82·5	81·8	81·7	81·8	81·8	81·8	80·9
21	81·8	81·1	79·8	80·0	79·3	79·7	79·4	79·1	80·0	80·7	81·4	82·5	83·2	83·6	83·9	84·9	84·3	84·0	83·2	81·8	80·0	79·6	78·7	78·7	78·1	81·2
22	78·1	78·1	78·9	79·1	79·2	79·3	78·7	78·7	79·5	81·0	81·5	82·3	82·9	82·0	81·8	82·0	82·3	82·3	82·3	81·8	81·4	81·7	81·5	81·6	81·7	80·9
23	81·7	82·1	82·4	82·4	82·5	82·4	82·3	82·1	82·6	82·3	82·3	82·8	83·0	82·9	83·3	83·2	82·5	83·0	82·3	81·7	81·8	81·4	81·1	81·2	80·9	82·3
24	80·9	80·4	80·3	80·3	80·1	79·8	79·3	79·2	79·2	79·8	81·0	81·2	81·4	81·4	82·1	82·3	82·3	82·9	82·5	81·4	81·1	80·7	79·8	79·2	78·1	80·7
25	78·1	77·9	78·2	78·0	77·2	77·3	76·7	76·7	77·6	79·2	78·9	80·2	79·9	80·9	81·0	81·0	80·3	80·6	80·3	79·0	78·2	77·3	76·6	76·4	76·4	78·7
26	76·4	75·6	75·3	75·7	75·3	75·1	74·2	74·0	75·4	76·2	77·1	78·7	78·9	79·0	79·2	79·8	80·0	80·2	79·8	79·6	79·8	79·6	79·8	79·9	79·3	77·7
27	79·3	78·9	78·7	77·6	76·4	76·0	75·5	75·1	75·4	76·2	77·1	78·2	79·5	80·5	80·9	81·6	81·6	81·8	81·3	80·2	79·6	80·0	78·5	78·5	78·0	78·7
28	78·0	78·8	78·7	78·5	78·2	77·8	77·6	77·3	76·9	77·2	77·3	78·0	78·3	79·1	78·9	79·9	79·9	79·5	79·6	78·5	78·2	78·2	77·7	77·1	76·5	78·3
29	76·5	75·6	77·9	78·6	78·9	79·1	79·4	79·6	79·5	80·3	80·1	81·1	82·5	83·4	83·8	83·5	83·2	82·4	82·1	80·9	79·8	78·7	77·1	76·5	75·6	80·0
30	75·6	75·3	74·6	74·3	74·7	75·6	76·8	78·4	79·1	80·6	80·8	81·4	81·0	80·9	80·7	80·6	80·6	80·7	80·5	80·9	81·1	81·3	81·5	81·8	82·0	79·2
31	82·0	81·6	82·2	82·1	81·8	81·5	81·3	81·5	81·7	82·7	83·7	84·2	85·2	86·2	85·9	86·3	86·1	86·0	85·3	84·6	84·0	83·2	83·2	82·9	82·8	83·6
Mean ...	79·3	79·2	79·1	79·0	78·8	78·8	78·6	78·6	78·8	79·5	80·0	80·8	81·2	81·7	81·7	81·9	81·7	81·4	81·1	80·5	80·2	79·9	79·7	79·6	79·3	80·1
Normals 1871–1910.	79·6	79·6	79·5	79·3	79·3	79·2	79·1	79·2	79·4	80·1	80·6	81·2	81·5	81·9	82·0	82·0	81·8	81·6	81·1	80·6	80·3	80·1	79·9	79·8	79·6	80·4

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MARCH, 1911.

1	% 75	% 75	% 84	% 80	% 88	% 88	% 89	% 87	% 89	% 86	% 83	% 81	% 77	% 76	% 77	% 78	% 81	% 83	% 85	% 88	% 88	% 89	% 90	% 90	% 91	% 84·0
2	91	90	91	96	96	97	97	95	96	95	94	92	92	92	93	94	91	92	93	93	94	90	86	86	89	92·7
3	89	92	92	93	91	94	93	94	95	93	90	91	89	87	87	87	90	94	96	98	98	98	96	97	97	92·9
4	97	95	95	97	98	98	93	88	82	81	81	80	73	70	71	64	67	65	67	69	75	79	86	90	93	81·6
5	93	94	93	92	93	95	89	87	88	82	81	81	82	78	85	90	93	90	93	97	97	87	84	89	84	88·7
6	84	73	73	83	84	79	73	98	80	68	79	78	67	60	63	61	64	67	68	69	68	69	72	72	75	72·8
7	75	71	79	84	91	90	90	90	92	90	91	78	74	71	74	71	74	78	84	90	95	96	98	98	99	84·8
8	99	98	100	99	99	99	98	88	93	95	91	85	80	74	74	84	92	78	76	79	69	84	67	66	69	85·5
9	69	75	73	62	62	67	82	78	79	72	77	84	87	82	86	80	80	77	77	81	82	85	85	84	82	78·0
10	82	82	84	79	87	91	93	93	95	97	99	97	98	97	94	89	86	87	79	76	78	79	74	78	75	87·1
11	75	77	77	80	82	82	80	79	86	83	79	74	80	76	76	76	74	74	82	91	87	89	89	86	88	80·9
12	88	86	88	91	92	94	96	97	97	97	91	95	92	83	81	79	81	73	71	72	71	76	74	66	67	84·2
13	67	66	70	70	74	79	84	77	76	78	74	61	63	68	65	61	59	61	64	71	70	73	72	67	60	69·4
14	60	62	63	63	66	62	63	64	67	64	61	64	69	59	62	67	69	69	71	76	77	74	77	75	81	67·3
15	81	88	84	86	86	85	77	76	78	77	85	73	66	62	62	60	60	60	64	73	75	77	80	84	92	75·2
16	92	83	91	90	90	90	95	94	93	95	91	81	74	66	71	71	69	71	73	78	74	78	75	77	72	81·3
17	72	73	75	77	74	73	73	76	74	76	69	67	66	64	62	63	63	61	68	68	78	80	80	78	80	71·4
18	80	78	78	78	77	76	74	75	80	78	78	81	80	81	80	81	81	81	83	86	86	85	88	83	87	80·5
19	87	87	88	84	81	81	84	85	85	85	88	88	87	82	82	73	76	80	79	78	80	78	79	79	77	82·1
20	77	80	80	78	82	82	82	85	81	82	79	82	82	80	78	79	76	76	79	82	85	85	84	84	84	81·0
21	84	85	93	90	93	88	87	87	75	86	77	69	69	65	70	61	64	67	68	80	86	87	93	93	95	80·1
22	95	96	92	92	93	91	92	93	88	83	81	78	76	80	83	84	83	85	85	84	88	85	89	87	87	86·6
23	87	86	82	81	79	81	80	82	80	85	85	82	79	79	78	76	81	79	81	81	80	82	81	80	83	81·1
24	83	87	88	88	88	87	89	86	87	84	80	80	77	77	77	73	70	61	62	70	75	74	77	77	80	79·0
25	80	78	75	74	77	76	81	80	76	74	75	60	51	64	58	59	61	61	61	66	67	70	70	69	68	69·5
26	68	70	70	68	69	70	73	73	74	68	65	63	66	62	62	62	63	59	62	65	64	64	68	70	75	66·7
27	75	77	77	76	79	75	75	76	76	71	70	66	60	60	60	60	58	57	58	62	60	56	68	68	69	67·4
28	69	71	72	76	79	79	78	79	86	86	83	81	80	76	78	72	70	73	71	80	79	81	86	89	94	78·6
29	94	94	86	84	85	83	79	80	86	81	88	82	79	77	76	75	73	76	81	89	89	90	96	93	94	84·0
30	94	94	96	94	93	91	90	82	79	70	73	75	83	87	90	91	92	92	94	92	92	92	94	92	92	88·4
31	92	94	87	87	91	91	92	91	89	83	80	75	73	69	68	66	68	67	68	70	70	71	70	70	74	78·0
Mean ...	82·4	82·5	83·1	83·0	84·5	84·3	84·5	84·4	83·9	82·1	81·2	78·2	76·8	74·3	74·9	73·8	74·5	74·0	75·6	79·2	79·9	80·7	81·5	81·2	82·4	80·0
Normals* 1886–1910.	86·6	86·6	86·9	87·2	87·3	87·3	87·4	87·5	86·9	85·2	83·0	80·7	79·1	77·9	78·0	77·7	78·4	79·4	81·2	83·5	84·8	85·0	85·6	86·0	86·6	83·7

* Normals for 24 years only—1892 omitted.

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** MARCH, 1911.

Heights above Mean Sea Level : Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground : Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE AND TEMPERATURE. MARCH, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0257	·0032	83·4	76·6	9	·0201	·0113	81·5	75·3	17	·0104	·0058	81·3	**72·3**	25	·0197	·0138	77·9	73·2
2	·0285	·0226	87·3	79·9	10	·0206	·0120	82·8	72·8	18	·0106	·0086	79·9	76·9	26	·0187	·0122	79·5	74·6
3	**·0286**	·0245	85·0	81·7—	11	·0154	·0108	81·0	76·0	19	·0110	·0086	79·1	77·2	27	·0122	·0077	77·5—	75·6
4	·0245	·0148	83·4	77·6	12	·0152	·9927	81·0	74·4	20	·0088	·0061	83·0	77·4	28	·0118	·0087	84·3	75·2
5	·0225	·0184	81·1	74·2	13	·0037	**·9903**	78·9	74·3	21	·0100	·0055	85·4	77·2	29	·0117	·0080	82·8	78·0
6	·0184	·0123	80·2	74·3	14	·0043	·0028	79·6	74·1	22	·0154	·0096	**88·0**	77·3	30	·0080	·0026	81·3	77·4
7	·0219	·0150	81·3	75·2	15	·0028	·9956	78·8	74·2	23	·0170	·0147	82·6	77·4	31	·0131	·0065	86·7	80·0
8	·0218	·0142	81·3	72·5	16	·0059	·9966	80·2	75·4	24	·0168	·0143	81·3	75·2	Mean.	—	—	81·9	75·9

TABLE II.

KEW. MARCH, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0032	·0051	·0073	·0089	·0106	·0121	·0140	·0155	·0171	·0184	·0196	·0205	·0213	·0219	·0226	·0231	·0238	·0241	·0250	·0253	·0256	·0257	·0257	·0253	·0251	·0189
2	·0251	·0248	·0239	·0236	·0234	·0233	·0229	·0228	·0232	·0234	·0231	·0237	·0238	·0235	·0236	·0238	·0242	·0245	·0261	·0269	·0274	·0283	·0285	·0285	·0281	·0247
3	·0281	·0282	·0279	·0277	·0276	·0274	·0279	·0281	·0283	·0283	·0284	·0284	·0283	·0277	·0273	·0269	·0268	·0267	·0268	·0267	·0267	·0263	·0257	·0249	·0245	·0273
4	·0245	·0239	·0234	·0226	·0220	·0215	·0205	·0201	·0197	·0192	·0186	·0181	·0175	·0168	·0159	·0154	·0152	·0150	·0150	·0152	·0160	·0172	·0183	·0184	·0185	·0186
5	·0185	·0189	·0194	·0194	·0198	·0200	·0207	·0214	·0220	·0222	·0224	·0222	·0222	·0216	·0213	·0211	·0206	·0204	·0206	·0203	·0203	·0201	·0197	·0191	·0184	·0206
6	·0184	·0182	·0174	·0162	·0156	·0150	·0144	·0141	·0140	·0138	·0134	·0132	·0128	·0125	·0123	·0124	·0127	·0130	·0133	·0138	·0141	·0143	·0147	·0149	·0150	·0143
7	·0150	·0155	·0158	·0160	·0165	·0171	·0180	·0186	·0195	·0199	·0201	·0202	·0203	·0201	·0200	·0200	·0201	·0202	·0205	·0210	·0213	·0215	·0219	·0218	·0216	·0193
8	·0216	·0214	·0214	·0210	·0208	·0207	·0207	·0205	·0205	·0203	·0202	·0197	·0194	·0187	·0182	·0177	·0171	·0167	·0164	·0163	·0162	·0159	·0153	·0149	·0142	·0187
9	·0142	·0138	·0125	·0120	·0116	·0116	·0115	·0115	·0116	·0119	·0124	·0130	·0136	·0137	·0139	·0146	·0150	·0155	·0166	·0175	·0181	·0187	·0193	·0197	·0201	·0145
10	·0201	·0201	·0203	·0203	·0205	·0206	·0205	·0205	·0203	·0201	·0197	·0191	·0184	·0175	·0166	·0158	·0152	·0148	·0142	·0140	·0135	·0129	·0125	·0122	·0120	·0173
11	·0120	·0118	·0114	·0111	·0108	·0109	·0109	·0111	·0116	·0119	·0125	·0126	·0131	·0131	·0131	·0132	·0136	·0138	·0143	·0147	·0150	·0151	·0153	·0153	·0152	·0129
12	·0152	·0148	·0147	·0136	·0135	·0130	·0124	·0120	·0114	·0108	·0102	·0090	·0084	·0072	·0058	·0048	·0035	·0026	·0016	·0007	·9990	·9974	·9956	·9943	·9927	·0067
13	·9927	·9918	·9907	·9904	·9908	·9915	·9926	·9939	·9953	·9959	·9968	·9973	·9979	·9984	·9986	·9991	·9997	·0002	·0009	·0020	·0028	·0032	·0035	·0036	·0036	·9973
14	·0036	·0037	·0038	·0040	·0038	·0038	·0038	·0041	·0040	·0039	·0040	·0039	·0038	·0039	·0039	·0038	·0037	·0039	·0042	·0042	·0040	·0041	·0038	·0033	·0028	·0039
15	·0028	·0022	·0015	·0009	·0003	·9996	·9991	·9986	·9983	·9976	·9970	·9968	·9965	·9963	·9957	·9958	·9961	·9960	·9960	·9963	·9963	·9963	·9963	·9964	·9966	·9977
16	·9966	·9968	·9968	·9969	·9970	·9974	·9982	·9989	·0000	·0005	·0013	·0017	·0023	·0024	·0028	·0030	·0032	·0036	·0042	·0046	·0052	·0057	·0058	·0059	·0059	·0015
17	·0059	·0060	·0061	·0062	·0062	·0063	·0066	·0070	·0076	·0076	·0078	·0082	·0083	·0083	·0086	·0090	·0089	·0091	·0095	·0097	·0101	·0103	·0103	·0103	·0103	·0082
18	·0103	·0098	·0094	·0088	·0086	·0086	·0086	·0086	·0086	·0089	·0089	·0089	·0090	·0089	·0090	·0094	·0096	·0095	·0098	·0103	·0103	·0102	·0103	·0104	·0105	·0094
19	·0105	·0106	·0105	·0105	·0103	·0104	·0106	·0107	·0110	·0108	·0108	·0109	·0108	·0105	·0103	·0101	·0099	·0099	·0099	·0098	·0098	·0095	·0092	·0088	·0088	·0102
20	·0088	·0084	·0079	·0071	·0068	·0070	·0071	·0072	·0073	·0073	·0073	·0072	·0068	·0061	·0064	·0062	·0061	·0064	·0067	·0072	·0072	·0072	·0072	·0070	·0065	·0070
21	·0065	·0065	·0061	·0057	·0056	·0057	·0060	·0060	·0066	·0071	·0076	·0079	·0078	·0075	·0074	·0072	·0072	·0074	·0081	·0086	·0090	·0094	·0097	·0098	·0098	·0074
22	·0098	·0099	·0100	·0098	·0100	·0105	·0111	·0114	·0120	·0123	·0124	·0125	·0120	·0118	·0116	·0116	·0117	·0119	·0127	·0131	·0137	·0142	·0148	·0151	·0151	·0120
23	·0151	·0150	·0152	·0148	·0151	·0152	·0153	·0158	·0160	·0161	·0163	*·0165*	·0167	·0163	·0161	·0163	·0161	·0161	·0165	·0168	·0167	·0168	·0168	·0166	·0167	·0160
24	.0167	·0166	·0164	·0159	·0156	·0156	·0156	·0162	·0163	·0163	·0161	·0159	·0155	·0154	·0151	·0150	·0149	·0152	·0154	·0151	·0154	·0154	·0153	·0147	·0143	·0156
25	·0143	·0141	·0141	·0140	·0140	·0143	·0149	·0155	·0159	·0164	·0165	·0166	·0173	·0172	·0178	·0174	·0179	·0180	·0191	·0191	·0197	·0192	·0192	·0190	·0187	·0168
26	·0187	·0182	·0178	·0176	·0171	·0174	·0174	·0169	·0168	·0162	·0161	·0158	·0151	·0146	·0138	·0125	·0127	·0128	·0134	·0134	·0130	·0131	·0130	·0130	·0122	·0151
27	·0122	·0115	·0112	·0106	·0102	·0101	·0099	·0100	·0101	·0101	·0097	·0095	·0089	·0087	·0083	·0081	·0077	·0080	·0079	·0080	·0083	·0085	·0089	·0089	·0088	·0093
28	·0088	·0089	·0088	·0090	·0092	·0095	·0099	·0103	·0104	·0106	·0105	·0106	·0101	·0100	·0099	·0097	·0094	·0097	·0101	·0103	·0108	·0113	·0116	·0115	·0116	·0101
29	·0116	·0110	·0111	·0110	·0110	·0107	·0107	·0110	·0109	·0110	·0111	·0110	·0107	·0103	·0099	·0095	·0092	·0088	·0091	·0089	·0093	·0091	·0088	·0083	·0080	·0101
30	·0080	·0076	·0070	·0065	·0058	·0056	·0053	·0050	·0050	·0047	·0044	·0040	·0035	·0030	·0029	·0027	·0029	·0032	·0037	·0043	·0050	·0054	·0057	·0059	·0065	·0049
31	·0065	·0067	·0069	·0068	·0071	·0075	·0080	·0086	·0091	·0095	·0099	·0102	·0101	·0102	·0100	·0100	·0102	·0103	·0105	·0109	·0117	·0122	·0126	·0128	·0131	·0097
Mean...	1·0 1211	1·0 1199	1·0 1183	1·0 1158	1·0 1152	1·0 1161	1·0 1178	1·0 ·1200	1·0 1227	1·0 1235	1·0 1242	1·0 1242	1·0 1233	1·0 1207	1·0 1189	1·0 1178	1·0 1177	1·0 1185	1·0 1220	1·0 1242	1·0 1263	1·0 1273	1·0 1275	1·0 1260	1·0 1243	1·0 1213
Normals 1871–1910.	1·0 1308	1·0 1301	1·0 1288	1·0 1264	1·0 1257	1·0 1257	1·0 1271	1·0 1291	1·0 1312	1·0 1321	1·0 1324	1·0 1321	1·0 1305	1·0 1278	1·0 1250	1·0 1232	1·0 1222	1·0 1232	1·0 1261	1·0 1284	1·0 1301	1·0 1308	1·0 1314	1·0 1312	1·0 1305	1·0 1284

(21211—24) Wt. 41466—310, 375. 9/11. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	29	3·1	26	4·9	26	4·5	25	4·5	25	4·5	24	4·5	24	4·0	24	4·0	24	5·4	26	6·7	25	6·7	25	7·6
2	21	5·8	21	6·7	21	8·1	21	6·7	21	7·2	22	5·8	22	6·3	22	5·4	23	4·9	22	6·3	23	6·3	22	6·7
3	24	4·5	23	4·0	24	4·5	25	3·6	23	3·1	23	3·6	23	3·6	25	4·0	24	4·5	25	4·5	25	4·0	25	3·6
4	23	3·1	23	2·7	23	3·6	21	3·1	21	3·1	21	3·1	20	3·6	20	4·5	20	4·5	21	4·9	22	5·4	21	4·5
5	32	1·8	32	1·8	—	0·9	—	0·9	—	0·5	—	0·9	—	1·3	32	1·8	32	1·8	32	1·8	32	2·7	32	2·2
6	—	0·9	32	2·7	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	—	0·9	26	1·8	22	2·7	24	1·8
7	32	1·8	1	4·5	32	4·5	1	5·4	1	5·4	2	4·5	1	4·0	1	4·5	32	4·5	2	4·5	2	4·5	1	4·5
8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	32	1·8	22	1·8	19	2·2	22	3·1
9	17	4·0	17	3·1	17	3·1	18	4·5	18	4·5	18	3·6	17	2·7	17	1·8	23	1·8	29	4·0	28	4·0	28	5·4
10	27	1·8	—	1·3	20	1·8	20	1·8	20	1·8	—	1·3	20	1·8	20	1·8	20	2·2	20	4·9	19	6·7	20	7·6
11	18	8·1	18	7·6	18	6·7	18	5·4	19	5·8	19	4·9	18	4·9	19	4·5	18	4·5	19	4·5	20	4·5	20	3·6
12	—	1·3	—	0·9	21	1·8	21	1·8	—	1·3	21	1·8	21	1·8	21	1·8	21	2·2	21	3·1	20	5·4	21	5·8
13	32	3·1	1	3·6	32	6·7	32	7·6	32	8·1	32	8·1	31	8·5	30	7·2	29	8·1	29	8·5	29	10·3	30	8·9
14	28	4·9	28	4·9	28	5·4	28	5·4	28	5·4	28	6·7	28	6·7	28	6·3	29	8·9	30	9·4	30	9·4	31	9·4
15	26	2·2	26	3·1	27	4·0	27	2·7	27	2·7	26	3·1	25	3·1	25	4·0	25	4·5	25	4·0	27	4·5	28	6·3
16	28	4·0	28	4·5	28	3·6	29	3·6	29	3·1	30	3·1	3	3·6	4	2·2	4	3·1	5	3·1	4	3·6	2	4·5
17	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	1·3	10	1·8	12	2·7	13	2·2
18	8	6·7	8	7·6	8	8·1	8	6·3	8	8·5	8	6·7	6	7·6	6	8·5	7	9·4	6	9·4	7	9·4	7	9·4
19	7	5·8	7	6·3	8	6·3	7	5·4	6	6·3	6	6·3	6	6·7	6	7·2	7	8·1	7	8·1	6	6·7	6	6·7
20	5	4·5	4	5·8	6	5·4	6	4·5	6	4·5	6	4·5	6	5·4	7	7·6	7	8·1	7	7·6	7	8·1	7	9·8
21	5	4·9	5	4·0	5	4·5	5	4·5	5	4·5	6	3·6	5	3·6	5	3·6	5	4·0	8	2·7	8	1·8	—	0·9
22	6	1·8	6	1·8	6	2·2	6	1·8	—	0·9	6	3·1	6	2·7	6	2·7	6	1·8	—	0·9	—	0·9	7	4·9
23	3	4·9	4	4·0	2	4·9	3	4·5	3	4·5	3	4·5	3	3·1	5	5·4	3	4·5	4	4·5	4	4·5	4	4·5
24	4	5·4	5	5·8	4	7·2	4	6·3	4	6·3	4	6·3	4	6·7	5	8·1	5	7·2	4	7·6	4	7·2	4	8·1
25	1	4·5	32	5·4	32	4·9	1	5·8	32	4·5	32	4·9	32	5·4	1	6·7	1	6·3	2	9·4	3	10·3	3	9·8
26	1	7·2	1	8·5	2	7·6	1	8·9	2	8·1	2	9·4	2	9·4	2	9·8	2	11·6	3	12·1	3	11·6	3	12·5
27	3	7·6	3	8·9	3	8·5	3	8·9	3	8·1	3	8·1	2	8·1	3	8·1	2	7·6	2	9·4	3	8·1	3	9·4
28	8	7·2	9	6·7	9	4·5	9	4·0	9	3·6	7	4·9	8	4·0	8	4·0	7	5·4	8	5·4	9	6·7	7	5·8
29	5	4·5	5	4·0	5	4·5	5	4·5	5	4·0	2	4·5	4	4·5	4	5·4	4	4·0	4	5·4	4	2·7	3	3·1
30	2	4·0	2	3·1	2	3·6	1	4·0	1	2·7	1	4·0	2	4·0	2	3·6	2	3·1	1	3·6	2	3·6	1	3·6
31	21	2·2	21	1·8	23	2·2	23	1·8	—	1·3	23	2·2	23	1·8	23	1·8	23	2·2	21	3·1	24	3·1	21	2·2
Mean ...	—	4·0	—	4·3	—	4·4	—	4·2	—	4·1	—	4·2	—	4·2	—	4·5	—	4·8	—	5·3	—	5·5	—	5·8
Normals, 1881–1910.	—	3·1	—	3·1	—	3·0	—	3·1	—	3·1	—	3·1	—	3·3	—	3·6	—	4·3	—	4·7	—	5·1	—	5·2

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second, the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. MARCH, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25	0·51	0·25	—	—	—	1·26
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·51	0·25	0·51	0·76	—	—	—	0·25	3·04
7	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	0·25	0·76	0·51	1·02	0·51	0·76	0·51	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	4·57
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51
11	0·25	0·51	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·51
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·76	1·27	0·76	1·02	0·76	—	0·76	5·84
13	1·52	1·02	1·27	1·27	—	—	—	—	—	—	—	—	—	—	—	—	1·52	—	—	—	—	—	—	—	6·60
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	0·25	—	0·51	0·25	—	0·25	0·25	0·25	—	—	—	—	—	—	—	—	1·76
16	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
17	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	0·25
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25
23	—	—	0·25	—	—	—	—	2·79	—	—	—	—	—	—	0·25	1·02	0·25	—	—	—	—	—	—	—	4·56
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	0·76	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	1·01
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	0·25	0·25	0·25	0·25	—	—	1·50
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	2·02	1·53	2·02	2·28	0·76	1·27	0·51	4·56	1·01	—	0·51	0·25	0·25	0·50	1·00	1·78	3·04	1·01	2·28	2·53	1·52	1·01	—	1·52	33·16
Normals 1871–1910.	1·35	1·63	1·47	1·50	1·50	2·06	1·98	1·47	1·45	1·55	1·14	1·42	1·63	1·45	1·90	1·65	1·63	1·98	1·60	1·73	1·75	1·98	1·90	1·50	39·22

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. MARCH, 1911.

	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	25	7·6	25	6·7	25	5·4	25	4·5	23	3·6	23	4·0	22	3·1	22	3·6	22	5·4	21	5·4	20	6·3	20	6·3	5·1	1
2	23	7·6	23	5·8	24	6·7	26	6·3	27	4·5	25	4·0	24	4·5	24	3·1	24	3·1	23	3·1	23	1·8	23	3·1	5·4	2
3	26	5·4	25	4·9	25	3·6	24	3·1	24	4·0	24	3·1	24	3·1	24	3·1	24	3·1	23	3·6	25	3·1	23	2·7	3·8	3
4	22	4·5	21	4·5	22	4·9	24	3·1	23	2·2	23	2·7	23	2·2	32	6·3	32	5·4	1	2·7	32	1·8	—	0·9	3·6	4
5	32	2·2	32	1·8	32	1·8	32	1·8	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	1·4	5
6	28	2·7	27	2·7	27	2·2	27	2·2	27	1·8	—	0·9	—	1·3	—	1·3	27	1·8	27	1·8	—	1·3	27	1·8	1·6	6
7	2	4·9	2	4·5	2	4·5	5	3·1	3	4·5	3	3·1	32	2·7	32	3·1	2	2·2	32	1·8	—	1·3	—	0·9	3·7	7
8	20	3·1	20	3·6	21	4·5	21	4·5	21	3·1	21	1·8	21	1·8	21	2·7	21	2·7	18	2·7	18	3·1	18	3·1	2·2	8
9	28	5·4	28	5·4	30	6·3	28	4·5	28	4·5	27	3·1	27	1·8	27	1·8	27	2·2	—	1·3	27	1·8	—	0·9	3·4	9
10	19	8·1	19	7·2	19	8·1	18	8·1	18	8·1	18	6·7	17	5·4	17	5·8	17	6·7	18	8·1	18	7·6	18	8·1	5·1	10
11	—	1·3	—	0·5	—	0·9	—	0·9	—	0·9	—	1·3	21	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	3·2	11
12	20	5·8	20	6·7	20	4·9	20	5·8	20	5·4	19	4·5	18	3·6	17	2·7	17	2·7	17	1·8	11	2·2	11	1·8	3·2	12
13	29	8·1	30	9·4	29	7·2	30	4·9	28	5·8	28	5·8	29	5·4	29	5·4	29	4·5	28	4·0	29	4·0	29	5·4	6·6	13
14	30	6·7	29	7·2	29	8·1	30	7·2	29	5·4	28	4·0	26	2·7	26	3·1	26	3·1	26	1·8	26	2·7	26	2·2	5·7	14
15	29	5·4	29	4·9	30	5·4	29	5·4	29	4·5	28	4·5	30	4·5	28	4·5	29	4·0	28	4·9	29	4·0	28	4·0	4·2	15
16	4	3·1	32	3·6	32	2·7	1	3·1	2	3·1	32	1·8	32	1·8	1	3·1	1	1·8	—	0·9	—	0·9	—	0·9	2·9	16
17	13	3·1	16	7·2	5	2·7	8	4·5	9	6·7	9	6·7	8	6·3	8	7·6	8	8·1	8	7·2	8	6·7	8	8·1	3·7	17
18	7	10·3	7	9·4	7	9·4	7	8·9	6	6·7	6	6·7	7	5·8	5	5·4	6	6·7	6	5·8	6	5·8	7	7·2	7·7	18
19	8	6·7	5	6·3	5	6·7	5	6·7	6	7·2	5	5·8	5	6·7	6	6·7	4	5·4	6	5·8	6	4·5	6	3·6	6·3	19
20	8	10·3	7	10·3	7	10·7	6	9·4	5	9·8	6	8·9	5	7·2	4	5·8	4	5·8	4	5·4	6	5·6	5	4·5	7·0	20
21	4	3·1	4	2·2	3	1·8	3	2·2	3	1·8	—	0·9	5	3·1	6	3·1	6	3·1	6	3·1	6	2·7	6	1·8	3·0	21
22	8	5·4	7	5·8	8	4·9	8	4·5	8	3·1	9	3·1	6	3·1	6	2·2	4	4·5	3	4·5	3	4·5	3	4·5	3·2	22
23	5	4·5	6	4·5	8	5·4	6	6·3	5	5·4	5	5·4	5	6·3	4	5·8	4	6·7	5	5·4	4	4·9	5	5·8	5·0	23
24	3	5·8	6	7·6	5	7·6	4	6·7	4	7·6	4	5·4	3	5·4	2	4·5	2	2·7	2	1·8	—	1·3	32	2·7	5·9	24
25	3	10·7	3	11·2	4	11·6	2	10·3	1	8·9	2	9·8	1	8·5	2	7·2	1	7·2	1	8·1	1	7·6	2	8·5	7·8	25
26	3	11·6	3	11·6	3	13·0	3	12·5	3	12·1	3	11·2	3	10·3	3	10·3	3	9·4	3	9·4	3	8·1	2	8·9	10·2	26
27	3	8·1	4	8·9	4	7·6	5	9·4	6	6·7	6	8·1	6	8·9	7	8·1	8	8·1	9	8·5	9	8·5	8	7·2	8·3	27
28	8	5·4	9	6·3	8	7·6	8	6·7	8	6·7	8	5·4	7	5·8	8	6·7	7	6·7	6	6·7	4	4·5	5	4·0	5·6	28
29	3	4·0	3	4·5	2	4·5	2	4·5	2	4·5	3	4·9	3	4·5	3	3·6	3	4·5	3	5·4	3	5·4	1	3·6	4·4	29
30	1	3·1	1	2·2	31	2·2	31	1·8	31	1·8	31	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	1·3	—	1·3	2·6	30
31	23	2·7	25	2·2	25	1·8	—	1·3	—	0·9	—	1·3	—	1·3	—	0·9	32	1·8	32	1·8	2	2·7	4	2·7	2·0	31
	—	5·7	—	5·8	—	5·6	—	5·3	—	4·9	—	4·4	—	4·2	—	4·2	—	4·3	—	4·0	—	3·7	—	3·8	4·6	Normals 1881–1910.
	—	5·2	—	5·2	—	5·1	—	4·9	—	4·5	—	3·9	—	3·7	—	3·5	—	3·5	—	3·3	—	3·2	—	3·1	3·9	

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. MARCH, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	—	8·9	Fine ; Wly. wind.
2	—	—	—	—	—	—	·1	·2	·8	·9	·6	—	·3	·3	—	—	—	3·2	Overcast early, clearing towards mid-day.
3	—	—	—	—	·1	—	—	—	—	—	·2	—	—	—	—	—	—	0·3	Dull ; ●⁰ in evening.
4	—	—	—	—	·1	·2	·1	—	—	—	—	—	—	—	—	—	—	0·4	Dull ; ≋⁰ and ●⁰.
5	—	—	—	—	·6	1·0	1·0	1·0	·8	·4	·2	·2	—	—	—	—	—	5·2	Fine and cool ; light Nly. breeze.
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty, with ●⁰ P.M.
7	—	—	—	—	—	·7	·2	—	—	—	—	·1	·6	·2	—	—	—	1·8	Fair most of day.
8	—	—	—	—	·1	—	·5	—	—	—	—	—	·2	—	—	—	—	0·8	⌣ early ; fair to dull. ⊕ at 9h.
9	—	—	—	—	—	—	·1	·4	·6	·7	·4	·3	1·0	·4	—	—	—	3·9	● early, then fine generally.
10	—	—	—	—	1·0	1·0	·9	·4	·7	—	—	—	—	—	—	—	—	4·0	Fine to dull.
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●⁰ till 5h., remaining dull.
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	[with ● P.M.
13	—	—	—	—	·7	1·0	·9	·9	·1	·6	·9	·5	·2	—	—	—	—	5·8	⌣ early ; becoming overcast and misty, ● till 4h., then fine till 15h., afterwards
14	—	—	—	—	·2	—	·7	·9	·6	—	·4	·5	1·0	·3	—	—	—	4·6	Fine generally, with N.Wly. wind. [dull
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ●⁰ and ✳⁰. [with ● and ✳.
16	—	—	—	—	—	·1	·2	·6	·3	·5	·4	·7	·2	—	—	—	—	3·0	Fine most of day.
17	—	—	—	—	—	—	·1	·1	·2	·1	—	—	—	—	—	—	—	0·5	⌣ early, becoming dull and misty.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast, ≋⁰.
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and gloomy.
20	—	—	—	—	—	·9	1·0	1·0	1·0	·9	·4	·4	1·0	—	—	—	—	6·6	Fine ; Ely. wind.
21	—	—	—	—	—	—	—	·3	·9	·8	·2	·1	—	—	—	—	—	2·3	Dull till 11h , then finer ; ≋⁰.
22	—	—	—	—	—	—	—	·4	·7	·8	1·0	—	—	—	—	—	—	2·9	Foggy morning, clearing in afternoon.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty, with ● occasionally.
24	—	—	—	—	—	—	—	—	·2	·1	·4	·3	·3	·1	—	—	—	1·4	Dull to fair.
25	—	—	—	·6	—	·8	·6	·4	·5	·8	·8	·8	·8	·6	—	—	—	6·7	Squally and ✳⁰ showers, with bright
26	—	—	—	—	—	—	—	—	—	—	·5	1·0	·5	—	—	—	—	2·0	Dull to fair ; ⌐ from N E. [intervals.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and overcast ; ●⁰.
28	—	—	—	—	·7	1·0	1·0	·7	·6	·4	·6	1·0	1·0	—	—	—	—	7·0	Fine day, with ≋⁰.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty.
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast and ≋⁰ all day.
31	—	—	—	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	0·1	Dull day, clearing in evening.
	—	—	—	1·0	4·5	7·0	8·9	8·5	9·0	8·0	8·0	6·9	7·6	2·0	—	—	—	71·4	Total.
	—	—	0·10	2·64	7·33	10·58	11·93	12·99	12·80	12·79	11·83	11·15	8·92	4·24	0·22	—	—	107·51	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. MARCH, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	80°·6	79°·5	79°·1	78°·2	77°·4	77°·3	76°·7	76°·7	77°·2	78°·6	79°·7	81°·0	81°·5	82°·4	82°·8	83°·0	83°·1	82°·0	81°·9	80°·7	80°·0	80°·4	80°·1	80°·2	79°·9	80°·0
2	79·9	80·2	80·5	80·9	81·2	81·5	81·7	82·5	82·4	83·2	84·0	84·8	85·1	86·3	86·5	87·0	87·1	86·7	85·1	84·3	83·5	83·2	82·2	82·4	82·7	83·5
3	82·7	83·4	83·1	83·4	82·9	82·5	82·4	82·4	82·6	83·1	83·9	83·9	84·0	84·5	84·9	85·0	84·8	84·2	83·8	83·5	83·0	82·6	82·2	81·9	81·7	83·4
4	81·7	81·4	81·6	81·8	81·8	81·5	81·4	81·3	81·4	82·4	82·8	82·6	82·8	82·6	83·1	83·0	81·4	81·3	81·4	81·4	79·9	78·7	78·6	78·1	77·6	81·3
5	77·6	76·8	76·5	75·9	75·3	75·2	74·9	74·3	74·7	75·9	77·4	79·0	79·7	80·5	80·7	81·1	80·6	80·2	79·1	77·8	76·5	76·8	76·6	76·7	75·9	77·5
6	75·9	76·4	76·1	76·0	75·6	75·4	74·6	74·4	75·0	76·6	78·1	79·5	80·2	79·5	79·5	79·0	78·7	78·4	78·0	78·0	78·1	78·1	78·2	78·2	78·6	77·5
7	78·6	78·5	78·8	78·7	78·4	78·4	78·2	78·1	78·0	78·6	79·4	80·0	80·0	80·3	80·4	80·6	80·5	80·7	79·9	78·7	77·5	77·0	76·3	75·8	75·2	78·7
8	75·2	74·7	73·2	73·6	73·0	73·3	72·9	73·2	73·4	75·3	76·5	78·8	79·6	80·4	81·0	81·1	81·3	80·7	79·6	79·2	78·4	78·5	78·5	78·7	78·6	77·2
9	78·6	78·8	78·5	78·9	79·0	78·9	78·5	78·4	78·5	78·7	78·8	79·8	80·7	81·1	80·9	79·4	79·3	80·2	79·1	77·6	77·4	77·4	76·4	76·0	75·4	78·7
10	75·4	75·2	74·2	73·7	73·0	73·1	73·1	73·4	74·3	76·5	78·6	80·7	81·8	82·2	82·0	81·8	81·5	80·6	80·0	79·7	79·9	80·0	80·1	80·0	79·4	78·0
11	79·4	78·9	78·5	78·4	78·2	78·2	78·3	78·4	78·6	79·1	79·5	79·9	80·1	80·0	80·3	80·9	80·9	80·6	80·2	79·7	79·1	78·2	76·5	76·4	76·0	79·0
12	76·0	75·8	75·2	75·1	75·3	75·2	74·4	75·2	76·1	77·4	78·5	80·2	80·3	80·5	81·1	79·9	80·2	79·3	78·5	77·4	76·9	76·8	76·7	76·3	76·1	77·4
13	76·1	74·8	74·3	74·5	74·5	75·8	76·0	75·5	75·0	75·9	76·5	77·4	78·0	78·1	78·7	78·7	77·2	75·1	76·0	76·3	76·3	76·3	76·0	76·0	76·1	76·2
14	76·1	76·0	76·2	75·7	75·6	75·6	75·2	74·7	74·7	76·3	76·8	77·8	78·7	78·6	78·8	79·3	79·0	78·6	77·9	76·5	76·2	75·3	75·0	75·1	74·8	76·6
15	74·8	74·7	75·0	75·6	75·2	74·7	74·7	74·8	75·0	74·6	74·5	75·4	76·3	77·4	78·6	76·8	76·7	77·1	77·0	76·9	76·4	76·4	76·7	76·8	77·0	76·0
16	77·0	76·9	76·8	76·7	76·3	76·3	76·3	75·9	75·8	76·5	77·2	78·2	78·4	79·2	79·6	79·7	79·7	79·2	78·1	77·6	76·9	76·3	76·3	76·1	75·4	77·3
17	75·4	74·7	74·0	73·1	72·9	72·7	72·4	73·1	73·7	74·6	76·8	78·4	80·7	81·3	78·3	77·3	77·8	77·6	77·4	77·4	77·4	77·4	77·1	77·2	77·0	76·2
18	77·0	76·9	77·1	77·4	77·4	77·4	77·4	77·5	77·9	78·3	78·8	79·6	79·7	79·7	79·1	78·6	78·2	78·5	78·2	78·4	78·5	78·5	78·2	78·2	78·4	78·2
19	78·4	78·4	78·2	78·1	77·9	77·8	77·6	77·6	77·6	77·9	78·1	78·2	78·2	78·7	78·9	79·0	78·7	78·4	78·4	78·4	78·5	78·0	77·6	77·4	77·4	78·1
20	77·4	77·6	77·6	77·8	77·9	78·2	78·5	78·7	79·0	80·1	81·0	81·9	82·6	83·0	82·4	81·8	81·7	81·0	79·9	79·3	78·6	78·0	77·5	77·4	77·4	79·5
21	77·4	77·4	77·4	77·6	77·8	78·0	78·2	78·5	79·1	79·7	80·2	81·5	83·6	84·3	84·3	84·7	85·3	84·8	83·5	83·7	82·8	81·9	81·6	80·9	80·2	81·1
22	80·2	79·9	79·3	78·8	77·6	77·5	77·3	78·1	77·8	79·0	80·2	82·5	85·2	86·5	87·3	86·5	86·1	85·3	84·1	84·5	83·5	83·2	81·7	80·8	80·4	81·8
23	80·4	80·2	80·4	80·2	80·1	80·1	80·0	80·1	80·1	80·7	81·0	81·5	82·2	82·5	82·5	81·9	81·0	80·4	80·0	79·1	78·6	78·2	77·9	77·6	77·5	80·2
24	77·5	77·2	77·1	77·2	77·1	76·9	77·0	77·4	77·8	78·4	78·9	79·2	80·0	80·2	80·9	81·0	80·4	80·2	79·5	79·1	77·9	76·8	76·2	75·6	75·8	78·3
25	75·8	76·8	76·5	75·7	75·2	74·8	74·5	74·6	75·1	73·9	75·9	76·3	76·4	77·0	76·8	77·4	77·2	76·7	75·8	76·1	74·8	75·0	75·1	74·8	74·6	75·7
26	74·6	74·8	75·1	75·2	74·9	75·1	74·9	75·4	75·9	76·3	76·5	77·0	77·4	77·6	78·5	79·2	78·8	77·9	77·1	76·6	76·5	76·6	76·7	76·9	76·9	76·5
27	76·9	76·9	77·0	77·0	76·8	76·8	76·7	76·5	76·5	76·7	76·8	77·1	77·4	77·5	77·4	77·5	77·3	77·2	77·1	76·7	76·0	76·1	75·7	76·5	76·9	76·8
28	76·9	77·4	77·1	77·0	76·7	76·1	75·2	75·8	77·2	78·8	80·3	82·0	82·6	84·1	84·1	83·8	83·5	82·6	81·1	80·1	78·9	78·4	78·2	78·2	78·5	79·5
29	78·5	78·7	78·8	78·7	78·6	78·6	78·5	78·6	78·5	79·1	79·5	80·2	81·2	82·2	82·6	82·4	82·4	81·8	81·1	80·4	80·0	79·6	78·7	78·2	78·0	79·9
30	78·0	77·9	77·6	77·5	77·4	77·5	77·6	77·9	78·1	78·6	78·9	79·6	80·2	80·9	81·1	81·2	81·2	81·3	80·9	80·6	80·4	80·3	80·3	80·6	80·6	79·5
31	80·6	80·6	80·4	80·3	80·1	80·1	80·2	80·3	80·9	81·8	82·2	83·1	84·8	84·9	85·4	85·4	85·8	86·1	85·4	83·7	82·1	82·0	81·3	80·2	80·2	82·4
Mean ...	77·8	77·7	77·5	77·4	77·1	77·1	76·9	77·1	77·4	78·1	78·9	79·9	80·6	81·1	81·2	81·1	80·9	80·5	79·8	79·3	78·7	78·5	78·1	77·9	77·7	78·8
Normals 1871–1910.	77·3	77·1	76·8	76·7	76·5	76·4	76·3	76·4	77·1	78·1	79·1	80·1	80·7	81·3	81·5	81·7	81·4	81·0	80·1	79·3	78·8	78·4	77·9	77·6	·77·3	78·7

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MARCH, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	78	80	80	77	76	74	79	79	75	74	69	66	62	56	55	55	57	64	65	74	80	75	79	81	82	71·3
2	82	81	82	83	83	90	91	86	89	85	83	79	78	72	75	73	64	67	81	84	87	87	92	93	92	82·2
3	92	90	93	89	92	93	91	90	94	86	81	79	76	70	68	69	70	75	78	78	80	82	83	85	88	82·6
4	88	87	86	84	86	84	85	88	88	81	79	76	75	73	74	75	91	93	94	94	89	84	85	86	90	84·4
5	90	90	92	91	92	85	89	87	87	84	76	73	67	63	63	64	65	66	76	81	84	86	87	87	88	80·2
6	88	84	85	84	85	89	89	88	87	81	80	73	74	74	75	81	84	87	91	94	93	94	93	94	86	85·3
7	86	88	90	92	90	89	87	84	84	83	80	76	77	73	72	72	71	61	62	69	75	82	84	88	90	79·9
8	90	89	88	89	88	88	88	89	87	86	86	77	69	70	72	65	67	69	76	81	83	86	86	86	85	81·3
9	85	87	92	89	88	89	91	93	93	92	85	72	66	63	64	73	76	68	69	79	71	70	76	76	83	79·5
10	83	82	85	87	89	86	86	86	85	88	84	74	65	64	66	68	72	69	68	71	71	72	72	74	79	76·8
11	79	83	86	87	89	89	89	87	87	86	87	87	87	88	85	80	79	81	86	88	91	92	94	91	92	86·9
12	92	91	95	91	90	87	91	87	85	84	82	76	76	73	75	80	72	78	86	90	92	92	93	92	90	85·4
13	90	89	89	87	90	83	80	77	72	66	66	63	63	66	65	67	80	88	81	78	79	77	78	75	71	76·7
14	71	72	72	81	77	70	68	67	66	66	64	61	61	64	64	59	61	62	62	70	70	73	77	76	75	68·1
15	75	75	74	70	74	75	75	74	74	82	87	87	84	83	74	85	84	84	83	82	83	84	82	84	82	79·9
16	82	81	80	81	83	82	85	88	89	83	72	67	63	62	59	59	59	64	71	75	79	82	84	84	89	75·8
17	89	87	88	90	90	89	89	88	91	89	85	78	66	62	80	87	79	79	85	84	85	85	87	87	86	84·0
18	86	86	88	85	85	83	82	84	79	77	74	70	71	71	77	79	84	82	87	86	86	86	89	90	88	82·0
19	88	87	89	88	88	87	89	88	87	84	83	84	84	80	78	80	82	86	83	83	84	84	85	86	86	84·8
20	86	87	89	87	88	89	87	85	84	80	76	73	66	63	64	63	64	67	70	73	76	77	80	81	81	77·2
21	81	81	81	83	83	85	89	92	87	86	89	88	79	78	79	78	78	80	85	77	78	82	82	86	88	83·0
22	88	89	90	91	93	92	94	92	90	90	89	86	74	69	65	64	65	71	80	77	85	80	88	88	90	83·0
23	90	89	90	91	92	90	90	89	92	94	92	88	88	87	88	89	92	91	89	90	89	90	88	89	85	89·8
24	85	85	85	80	80	81	81	78	78	74	72	69	68	68	58	59	60	60	61	64	71	74	78	83	81	72·9
25	81	83	79	76	78	74	72	70	67	65	65	58	62	60	53	49	56	61	66	59	79	71	70	73	75	67·7
26	75	76	61	63	66	67	69	64	61	63	60	62	64	65	64	58	60	60	65	69	69	73	73	73	74	65·8
27	74	74	76	80	84	85	87	89	92	90	89	88	82	82	82	79	79	78	77	82	87	86	88	83	80	83·2
28	80	85	78	77	78	78	82	81	80	76	67	61	63	64	60	61	66	71	72	76	87	87	90	90	92	75·7
29	92	92	92	93	94	94	96	94	94	93	92	91	89	86	83	86	86	87	89	92	93	92	96	95	95	91·3
30	95	94	97	95	96	97	97	95	96	94	94	93	90	91	90	90	90	91	93	95	96	98	97	95	95	94·2
31	95	93	92	90	89	93	93	94	94	91	89	84	80	74	66	67	65	65	65	84	91	90	92	91	93	84·4
Mean ...	85·0	85·1	85·3	84·9	85·7	85·1	85·8	84·9	84·3	82·4	79·9	76·1	73·2	71·4	70·7	71·4	72·8	74·4	77·3	80·0	82·7	83·0	84·8	85·2	85·5	80·5
Normals 1886-1910.	85·3	85·4	86·7	86·6	87·1	86·8	87·3	86·4	85·0	81·0	77·8	73·1	70·8	68·4	67·1	67·0	67·7	69·9	73·5	76·8	79·9	81·2	83·4	84·3	85·5	79·1

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** MARCH, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE and TEMPERATURE. MARCH, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9861	**·9695**	80·6	74·5	9	·9874	·9787	80·3	71·8	17	·9893	·9769	77·2	73·8	25	**·0019**	·9930	78·0	70·6
2	·9954	·9815	**82·5**	78·4	10	·9866	·9722	78·6	72·4	18	·9913	·9887	76·8	72·4	26	·0009	·9966	79·1	72·9
3	·9951	·9896	82·4	79·3	11	·9832	·9755	79·0	70·4	19	·9905	·9889	75·8	72·5	27	·9966	·9890	80·5	72·9
4	·9910	·9864	80·6	73·3	12	·9784	·9709	79·5	70·1	20	·9892	·9865	77·0	73·8	28	·9891	·9878	79·0	73·9
5	·9933	·9855	78·8	**69·5**	13	·9810	·9710	77·2	70·6	21	·9875	·9851	77·9	73·5	29	·9893	·9842	77·0	73·7
6	·9919	·9812	78·4	73·7	14	·9809	·9764	76·6	72·7	22	·9937	·9863	78·1	74·1	30	·9845	·9797	77·9	74·6
7	·9969	·9919	79·8	73·2	15	·9764	·9737	77·8	72·6	23	·9958	·9937	76·5	73·6	31	·9881	·9806	79·2	75·8
8	·9921	·9790	79·3	73·7	16	·9803	·9744	78·7	73·7	24	·9951	·9923	80·3	72·9	Mean	—	—	78·7	73·3

TABLE II.

ESKDALEMUIR. MARCH, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9696	·9713	·9724	·9733	·9745	·9758	·9782	·9796	·9814	·9828	·9836	·9844	·9846	·9850	·9855	·9854	·9858	·9854	·9856	·9854	·9845	·9836	·9827	·9821	·9821	·9812
2	·9821	·9820	·9824	·9820	·9819	·9816	·9824	·9833	·9854	·9860	·9873	·9878	·9891	·9899	·9904	·9911	·9929	·9936	·9943	·9949	·9949	·9947	·9949	·9951	·9951	·9885
3	·9951	·9949	·9947	·9945	·9947	·9948	·9945	·9942	·9945	·9940	·9940	·9942	·9941	·9933	·9922	·9915	·9910	·9907	·9914	·9912	·9916	·9908	·9902	·9896	·9896	·9929
4	·9896	·9887	·9882	·9876	·9870	·9869	·9865	·9865	·9867	·9867	·9871	·9874	·9874	·9875	·9875	·9874	·9879	·9881	·9888	·9896	·9903	·9904	·9906	·9908	·9910	·9882
5	·9910	·9910	·9916	·9921	·9920	·9923	·9926	·9929	·9931	·9931	·9930	·9919	·9918	·9916	·9910	·9904	·9899	·9894	·9891	·9888	·9884	·9876	·9868	·9863	·9855	·9906
6	·9855	·9847	·9842	·9830	·9824	·9818	·9815	·9813	·9814	·9815	·9818	·9819	·9823	·9826	·9829	·9839	·9853	·9862	·9871	·9871	·9895	·9901	·9912	·9911	·9919	·9847
7	·9919	·9924	·9930	·9933	·9936	·9946	·9955	·9960	·9965	·9967	·9966	·9964	·9964	·9961	·9956	·9951	·9950	·9946	·9945	·9943	·9940	·9935	·9931	·9927	·9921	·9946
8	·9921	·9911	·9904	·9892	·9885	·9878	·9870	·9866	·9862	·9860	·9858	·9852	·9849	·9842	·9838	·9835	·9832	·9828	·9828	·9825	·9815	·9811	·9807	·9799	·9790	·9850
9	·9790	·9788	·9791	·9788	·9792	·9793	·9794	·9798	·9800	·9800	·9811	·9819	·9829	·9833	·9838	·9846	·9851	·9854	·9860	·9868	·9873	·9873	·9872	·9870	·9866	·9828
10	·9866	·9860	·9854	·9849	·9839	·9830	·9824	·9815	·9812	·9799	·9792	·9782	·9777	·9761	·9756	·9745	·9735	·9727	·9725	·9724	·9727	·9724	·9739	·9743	·9755	·9781
11	·9755	·9764	·9776	·9781	·9786	·9791	·9798	·9807	·9814	·9817	·9828	·9827	·9829	·9825	·9820	·9822	·9820	·9821	·9825	·9820	·9813	·9806	·9799	·9792	·9784	·9806
12	·9784	·9780	·9773	·9762	·9754	·9744	·9738	·9736	·9731	·9725	·9723	·9724	·9722	·9718	·9716	·9711	·9710	·9709	·9713	·9716	·9719	·9720	·9722	·9725	·9721	·9731
13	·9721	·9716	·9715	·9711	·9716	·9717	·9719	·9722	·9725	·9733	·9735	·9736	·9746	·9749	·9753	·9760	·9766	·9774	·9778	·9780	·9786	·9794	·9800	·9806	·9806	·9750
14	·9806	·9804	·9805	·9801	·9805	·9807	·9807	·9808	·9808	·9805	·9807	·9806	·9804	·9804	·9799	·9796	·9791	·9788	·9788	·9785	·9782	·9780	·9775	·9772	·9764	·9796
15	·9764	·9756	·9745	·9739	·9739	·9740	·9742	·9744	·9746	·9744	·9744	·9748	·9754	·9750	·9751	·9748	·9745	·9749	·9750	·9752	·9750	·9746	·9747	·9748	·9748	·9747
16	·9748	·9749	·9746	·9750	·9753	·9754	·9763	·9771	·9777	·9782	·9789	·9796	·9798	·9798	·9800	·9801	·9801	·9799	·9799	·9802	·9796	·9798	·9798	·9795	·9790	·9783
17	·9790	·9783	·9778	·9772	·9773	·9776	·9780	·9785	·9792	·9800	·9804	·9810	·9824	·9832	·9832	·9846	·9847	·9856	·9864	·9872	·9878	·9881	·9886	·9887	·9893	·9825
18	·9893	·9894	·9892	·9890	·9890	·9893	·9893	·9890	·9895	·9895	·9896	·9898	·9896	·9896	·9899	·9896	·9896	·9898	·9900	·9906	·9911	·9911	·9908	·9905	·9904	·9898
19	·9904	·9905	·9905	·9902	·9900	·9899	·9898	·9897	·9896	·9894	·9895	·9895	·9895	·9894	·9892	·9890	·9894	·9891	·9892	·9893	·9894	·9894	·9893	·9891	·9891	·9896
20	·9891	·9887	·9882	·9878	·9876	·9875	·9875	·9875	·9878	·9878	·9874	·9871	·9872	·9872	·9870	·9869	·9867	·9866	·9871	·9873	·9873	·9874	·9874	·9876	·9875	·9875
21	·9875	·9870	·9869	·9865	·9863	·9863	·9862	·9861	·9863	·9864	·9862	·9861	·9859	·9857	·9855	·9852	·9852	·9851	·9857	·9861	·9863	·9864	·9865	·9866	·9865	·9861
22	·9865	·9865	·9865	·9864	·9867	·9870	·9872	·9876	·9882	·9886	·9889	·9891	·9895	·9897	·9895	·9896	·9900	·9905	·9913	·9920	·9926	·9928	·9933	·9936	·9937	·9895
23	·9937	·9940	·9942	·9942	·9943	·9945	·9948	·9953	·9954	·9957	·9958	·9958	·9955	·9958	·9955	·9953	·9951	·9951	·9952	·9954	·9954	·9954	·9954	·9955	·9951	·9951
24	·9951	·9941	·9940	·9939	·9935	·9934	·9936	·9937	·9939	·9941	·9941	·9935	·9933	·9930	·9929	·9930	·9926	·9925	·9925	·9923	·9925	·9926	·9927	·9927	·9931	·9933
25	·9931	·9931	·9937	·9938	·9943	·9947	·9953	·9963	·9972	·9978	·9986	·9992	·9997	·9999	·0001	·0001	·0005	·0011	·0015	·0018	·0017	·0017	·0015	·0011	·0009	·9984
26	·0009	·0005	·0003	·9999	·9994	·9992	·9992	·9993	·9992	·9992	·9992	·9988	·9984	·9979	·9972	·9970	·9968	·9970	·9971	·9973	·9975	·9972	·9973	·9972	·9966	·9984
27	·9966	·9963	·9958	·9952	·9951	·9947	·9946	·9949	·9948	·9947	·9945	·9942	·9940	·9931	·9926	·9920	·9918	·9911	·9912	·9907	·9903	·9899	·9899	·9893	·9891	·9931
28	·9891	·9884	·9883	·9887	·9882	·9882	·9883	·9887	·9885	·9884	·9886	·9888	·9887	·9885	·9881	·9881	·9882	·9882	·9882	·9882	·9886	·9885	·9887	·9887	·9888	·9885
29	·9888	·9889	·9888	·9884	·9881	·9878	·9880	·9885	·9886	·9885	·9876	·9873	·9876	·9870	·9864	·9862	·9857	·9856	·9857	·9858	·9858	·9855	·9851	·9846	·9842	·9870
30	·9842	·9837	·9836	·9829	·9828	·9823	·9823	·9824	·9821	·9819	·9817	·9813	·9812	·9809	·9807	·9802	·9801	·9798	·9804	·9804	·9806	·9810	·9812	·9814	·9808	·9816
31	·9808	·9808	·9813	·9816	·9821	·9822	·9829	·9831	·9842	·9847	·9848	·9848	·9848	·9848	·9853	·9854	·9858	·9861	·9866	·9869	·9871	·9877	·9879	·9879	·9880	·9847
Mean...	0·9 8598	0·9 8574	0·9 8569	0·9 8545	0·9 8541	0·9 8541	0·9 8560	0·9 8584	0·9 8616	0·9 8626	0·9 8642	0·9 8643	0·9 8657	0·9 8644	0·9 8630	0·9 8624	0·9 8630	0·9 8633	0·9 8663	0·9 8677	0·9 8688	0·9 8679	0·9 8681	0·9 8668	0·9 8654	0·9 8623
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(21210—24.) Wt. 41466—310. 375. 9/11. D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* MARCH, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	4·5	—	8·1	—	8·9	—	8·9	—	8·9	—	8·9	—	6·3	—	4·5	—	5·4	—	8·9	—	12·5	—	14·3
2	—	10·3	—	14·8	—	13·4	—	17·9	—	17·0	—	17·0	—	14·3	—	17·9	—	14·3	—	20·1	—	21·5	—	12·5
3	—	5·8	—	7·2	—	9·4	—	6·3	—	3·6	—	6·7	—	8·1	—	6·7	—	13·4	—	13·4	—	8·5	—	8·1
4	—	1·3	—	0·5	—	0·9	—	0·5	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	2·7	—	5·4	—	8·9
5	—	1·3	—	1·8	—	1·3	—	1·3	—	1·3	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0	—	3·1	—	3·6
6	—	0·9	—	5·4	—	0·0	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	2·2
7	—	7·6	—	5·4	—	7·6	—	8·5	—	3·6	—	5·4	—	4·5	—	4·5	—	7·2	—	7·6	—	6·3	—	4·9
8	—	1·8	—	1·3	—	5·4	—	6·3	—	3·6	—	4·0	—	10·3	—	8·9	—	8·1	—	5·4	—	5·8	—	6·3
9	—	11·2	—	4·9	—	3·6	—	0·0	—	2·2	—	3·6	—	6·3	—	11·2	—	13·4	—	11·2	—	11·2	—	8·9
10	—	5·8	—	8·5	—	5·8	—	9·4	—	10·3	—	4·5	—	12·1	—	9·4	—	13·0	—	15·7	—	15·2	—	18·8
11	—	4·5	—	0·0	—	0·9	—	0·9	—	0·0	—	0·5	—	0·0	—	0·9	—	1·3	—	5·4	—	5·8	—	8·5
12	—	13·4	—	9·8	—	10·3	—	12·5	—	9·8	—	8·5	—	5·4	—	5·8	—	8·1	—	8·9	—	8·9	—	8·9
13	—	5·4	—	5·4	—	8·9	—	8·9	—	5·8	—	9·8	—	10·3	—	12·5	—	12·5	—	14·3	—	14·3	—	11·2
14	—	11·6	—	13·4	—	13·0	—	12·1	—	6·3	—	9·4	—	9·8	—	10·7	—	12·1	—	8·9	—	7·6	—	8·5
15	—	10·7	—	13·9	—	13·4	—	11·2	—	9·8	—	8·1	—	11·6	—	12·1	—	12·1	—	10·3	—	10·7	—	7·6
16	—	8·1	—	8·1	—	6·7	—	7·6	—	8·1	—	5·8	—	4·9	—	5·8	—	4·5	—	7·2	—	7·6	—	6·7
17	—	10·3	—	6·3	—	11·2	—	13·9	—	13·0	—	11·2	—	13·9	—	8·1	—	13·0	—	10·3	—	14·8	—	12·1
18	—	2·2	—	7·2	—	8·5	—	8·5	—	8·5	—	9·4	—	12·1	—	10·7	—	8·9	—	9·8	—	7·6	—	8·9
19	—	7·2	—	7·6	—	8·1	—	5·8	—	7·6	—	8·1	—	7·6	—	8·9	—	10·3	—	10·3	—	12·1	—	10·7
20	—	6·3	—	7·2	—	5·8	—	4·9	—	7·6	—	6·7	—	5·4	—	3·6	—	3·6	—	8·1	—	9·4	—	10·3
21	—	5·8	—	6·7	—	5·8	—	4·9	—	5·4	—	5·4	—	5·4	—	6·7	—	8·5	—	8·9	—	9·4	—	7·6
22	—	2·7	—	3·6	—	4·5	—	3·6	—	3·1	—	3·6	—	4·5	—	4·5	—	5·8	—	6·7	—	6·3	—	7·2
23	—	3·1	—	3·6	—	4·5	—	3·6	—	3·6	—	4·9	—	6·7	—	6·3	—	6·7	—	6·3	—	8·1	—	8·9
24	—	4·5	—	4·9	—	5·4	—	4·5	—	4·5	—	5·8	—	7·6	—	5·8	—	6·7	—	10·3	—	7·6	—	6·7
25	—	7·6	—	8·9	—	8·9	—	6·3	—	5·8	—	9·4	—	8·9	—	10·3	—	11·2	—	13·4	—	13·4	—	13·0
26	—	7·6	—	8·1	—	8·1	—	8·1	—	8·9	—	8·1	—	9·8	—	8·9	—	9·8	—	8·9	—	8·1	—	13·0
27	—	7·6	—	8·9	—	8·9	—	8·1	—	7·2	—	7·6	—	8·1	—	6·7	—	9·8	—	13·4	—	11·6	—	11·6
28	—	8·9	—	8·1	—	3·1	—	5·8	—	5·8	—	6·3	—	4·9	—	8·1	—	8·1	—	8·1	—	8·1	—	7·6
29	—	4·9	—	4·5	—	5·8	—	4·5	—	3·6	—	4·9	—	3·1	—	4·5	—	4·9	—	6·3	—	8·0	—	5·8
30	—	4·5	—	4·9	—	5·4	—	2·2	—	2·2	—	4·9	—	3·6	—	5·4	—	5·8	—	5·4	—	8·0	—	4·5
31	—	11·6	—	5·4	—	6·3	—	8·1	—	5·8	—	8·9	—	11·2	—	8·9	—	8·9	—	5·8	—	11·2	—	12·5
Mean ...	—	6·4	—	6·6	—	6·8	—	6·7	—	5·9	—	6·4	—	6·9	—	7·0	—	8·0	—	8·8	—	9·3	—	9·0
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
1	—	13·4	—	13·4	—	14·8	—	13·4	—	14·8	—	11·6	—	9·8	—	12·1	—	13·4	—	12·5	—	13·4	—	15·2	10·7	1
2	—	17·0	—	15·7	—	17·0	—	8·9	—	5·8	—	4·5	—	3·1	—	3·1	—	5·8	—	1·8	—	1·3	—	3·1	11·6	2
3	—	7·6	—	10·7	—	10·3	—	12·1	—	12·1	—	5·8	—	8·5	—	5·8	—	4·5	—	4·5	—	5·8	—	3·1	7·8	3
4	—	5·4	—	5·4	—	5·8	—	6·3	—	7·6	—	1·8	—	2·2	—	8·5	—	8·1	—	0·9	—	4·5	—	3·1	3·3	4
5	—	5·4	—	6·7	—	7·2	—	8·1	—	4·9	—	5·4	—	3·1	—	1·3	—	0·5	—	4·0	—	2·2	—	2·2	2·8	5
6	—	2·2	—	4·5	—	7·6	—	7·6	—	4·9	—	9·4	—	9·8	—	6·3	—	8·9	—	6·7	—	6·7	—	5·8	3·8	6
7	—	0·9	—	0·5	—	0·0	—	0·0	—	0·0	—	1·3	—	3·6	—	0·0	—	0·0	—	0·0	—	0·0	—	2·2	3·4	7
8	—	3·6	—	3·1	—	7·6	—	7·6	—	4·5	—	5·4	—	2·7	—	1·3	—	5·4	—	4·0	—	5·4	—	4·5	5·1	8
9	—	8·9	—	10·3	—	6·7	—	6·7	—	7·6	—	1·8	—	3·1	—	0·0	—	3·6	—	3·1	—	0·9	—	1·8	5·9	9
10	—	18·3	—	17·0	—	17·0	—	15·7	—	17·0	—	13·4	—	15·7	—	10·7	—	10·3	—	13·4	—	6·7	—	3·6	12·0	10
11	—	7·6	—	8·9	—	9·4	—	8·1	—	7·6	—	9·8	—	8·5	—	9·8	—	11·6	—	13·4	—	13·9	—	12·5	6·2	11
12	—	9·4	—	9·8	—	10·3	—	8·9	—	9·8	—	5·4	—	3·6	—	5·8	—	4·9	—	5·8	—	0·5	—	2·7	7·8	12
13	—	13·0	—	14·3	—	12·5	—	11·2	—	8·9	—	10·3	—	10·3	—	13·4	—	12·5	—	10·7	—	8·9	—	9·8	10·6	13
14	—	10·3	—	10·3	—	8·5	—	8·9	—	7·6	—	8·9	—	9·8	—	11·2	—	10·3	—	11·2	—	12·1	—	11·6	10·2	14
15	—	11·2	—	8·5	—	9·8	—	8·1	—	5·4	—	5·4	—	7·6	—	7·2	—	5·8	—	6·7	—	8·9	—	7·6	9·3	15
16	—	7·2	—	6·3	—	6·3	—	5·4	—	5·4	—	3·6	—	7·6	—	4·5	—	8·5	—	4·5	—	9·8	—	7·6	6·6	16
17	—	12·1	—	11·6	—	11·2	—	9·8	—	8·1	—	9·8	—	4·5	—	5·8	—	7·6	—	6·7	—	8·1	—	7·6	10·0	17
18	—	8·9	—	12·1	—	10·3	—	9·4	—	12·1	—	8·9	—	8·9	—	8·5	—	8·1	—	8·5	—	8·1	—	9·8	9·0	18
19	—	8·9	—	10·7	—	11·2	—	10·3	—	7·6	—	8·1	—	8·1	—	4·5	—	5·4	—	3·6	—	7·6	—	6·7	8·2	19
20	—	7·6	—	5·8	—	7·2	—	6·3	—	5·8	—	5·4	—	4·5	—	5·4	—	6·3	—	5·4	—	4·9	—	4·0	6·1	20
21	—	7·6	—	6·7	—	4·5	—	5·8	—	5·4	—	6·3	—	4·5	—	4·5	—	6·3	—	3·6	—	4·5	—	3·6	6·0	21
22	—	5·8	—	8·1	—	8·1	—	5·4	—	4·5	—	5·8	—	3·1	—	4·0	—	4·5	—	3·6	—	4·5	—	4·5	4·9	22
23	—	9·8	—	8·1	—	8·9	—	8·1	—	7·6	—	7·2	—	7·2	—	7·6	—	4·9	—	5·8	—	4·5	—	3·6	6·2	23
24	—	7·2	—	4·9	—	3·1	—	8·9	—	8·1	—	5·8	—	4·0	—	8·1	—	5·8	—	5·8	—	9·8	—	8·9	6·4	24
25	—	10·3	—	11·2	—	10·3	—	10·3	—	11·6	—	7·2	—	5·8	—	5·4	—	3·6	—	3·6	—	5·4	—	5·4	8·6	25
26	—	10·3	—	8·9	—	9·8	—	8·9	—	8·9	—	5·8	—	5·4	—	5·4	—	6·3	—	7·6	—	8·1	—	6·3	8·3	26
27	—	10·3	—	12·1	—	10·7	—	12·1	—	12·5	—	6·7	—	8·9	—	7·6	—	11·2	—	8·5	—	9·8	—	9·4	9·6	27
28	—	8·5	—	12·1	—	9·4	—	10·3	—	6·7	—	5·8	—	8·9	—	4·0	—	5·4	—	7·2	—	3·6	—	5·8	7·1	28
29	—	5·4	—	4·0	—	7·6	—	4·9	—	5·4	—	4·0	—	3·1	—	1·3	—	3·6	—	3·6	—	5·4	—	5·4	4·8	29
30	—	5·8	—	8·5	—	8·9	—	8·9	—	8·9	—	8·1	—	5·8	—	5·8	—	6·3	—	7·6	—	7·2	—	12·1	6·3	30
31	—	13·9	—	10·7	—	12·1	—	7·6	—	7·6	—	7·6	—	8·9	—	8·9	—	2·2	—	6·3	—	4·9	—	4·9	8·3	31
	—	8·8	—	9·1	—	9·2	—	8·5	—	7·9	—	6·7	—	6·5	—	6·1	—	6·5	—	6·1	—	6·4	—	6·3	7·3	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. MARCH, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	1·02	3·02	2·28	1·27	0·76	0·76	9·62
2	0·51	—	—	0·25	—	—	—	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·52
3	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	0·25	0·25	0·25	1·02	0·51	—	—	—	—	—	—	2·78
4	—	0·51	0·76	1·02	0·76	0·51	0·51	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·83
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	0·25	0·51	0·51	0·51	0·51	0·25	0·25	—	0·25	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	0·25	3·54
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	0·51	0·25	0·76	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	0·51	2·78
9	2·03	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·53
10	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·76	0·25	1·27	0·51	0·51	0·51	0·25	—	—	—	4·31
11	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25	—	—	—	—	—	—	0·51	0·51	0·25	—	1·77
12	0·25	0·25	0·25	0·51	2·03	4·28	1·52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·09
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
15	—	—	—	—	—	—	0·51	0·51	0·25	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	0·76	0·25	2·78
16	0·25	—	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	0·25	1·50
17	0·51	1·27	1·78	0·76	0·51	1·52	0·76	2·03	0·51	—	—	—	0·25	1·27	0·76	0·25	0·51	—	—	—	—	—	0·25	—	12·94
18	—	—	—	0·25	0·25	0·25	0·25	1·27	0·51	0·51	0·76	0·25	—	—	—	—	—	0·25	—	—	—	—	—	—	4·55
19	—	—	—	—	—	—	—	0·76	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
20	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
26	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	0·25
27	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	0·25	—	—	1·00
28	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
Sum ...	4·05	3·29	3·80	4·06	4·81	7·57	4·05	6·09	2·52	0·51	0·76	0·75	0·50	2·52	2·02	1·00	2·80	2·03	1·78	4·03	3·04	2·03	2·02	2·52	68·55
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. MARCH, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·1	·4	·4	·3	·8	1·0	·5	1·0	·9	—	—	—	—	—	5·4	
2	—	—	—	—	·1	·9	1·0	1·0	1·0	1·0	1·0	·7	—	—	—	—	—	6·7	
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	·1	—	·3	1·0	1·0	·9	·9	·4	—	—	—	4·6	
5	—	—	—	—	—	—	·1	·6	·1	·2	·3	·1	·3	—	—	—	—	1·7	
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	·2	·1	—	—	—	7·3	
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9	—	—	—	·3	·7	·6	1·0	1·0	1·0	1·0	1·0	·9	1·0	·6	—	—	—	9·1	
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	—	—	—	·5	1·0	1·0	·7	·3	·8	·6	·6	·8	·1	—	—	—	—	6·4	
12	—	—	—	·9	1·0	1·0	·9	1·0	1·0	·9	1·0	1·0	1·0	·6	—	—	—	10·3	
13	—	—	—	—	—	·7	·9	·9	·9	·9	·7	·6	1·0	·1	—	—	—	6·7	
14	—	—	—	—	—	·1	—	—	—	·1	—	—	—	—	—	—	—	0·2	
15	—	—	—	—	—	·1	·9	·3	·3	·4	·5	·1	—	—	—	—	—	2·6	
16	—	—	—	—	·1	·1	·3	·6	·5	·7	·9	·6	1·0	·1	—	—	—	4·9	
17	—	—	—	—	—	·5	·7	·5	·1	·3	·1	·4	·3	—	—	—	—	2·9	
18	—	—	—	—	—	·2	—	·3	·7	·2	—	·5	·6	·2	—	—	—	2·7	
19	—	—	—	—	·8	·9	·6	·2	—	·1	·1	·1	—	—	—	—	—	2·8	
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	—	·5	·2	·3	·2	·2	·3	·5	·2	—	—	—	—	—	—	2·4	
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	—	—	—	—	·1	·9	1·0	·5	1·0	1·0	·8	·8	—	·5	—	—	—	6·6	
25	—	—	—	·2	·8	·2	—	·3	·4	·1	·2	—	·8	·2	—	—	—	3·2	
26	—	—	—	·9	·9	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	10·9	
27	—	—	·4	1·0	1·0	1·0	1·0	·5	·1	·1	—	—	—	—	—	—	—	5·1	
28	—	—	—	·3	1·0	·8	·5	·8	·6	·6	·2	·1	—	—	—	—	—	4·9	
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	0·4	5·3	9·1	11·6	12·1	11·8	12·1	12·2	11·0	9·5	7·4	4·4	0·5	—	—	107·4	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. MARCH, 1911.

First figure (2) omitted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	74·9	74·9	75·3	75·2	74·8	74·9	74·9	74·9	75·3	76·1	77·5	77·7	79·1	79·0	80·0	80·1	79·2	78·6	77·9	77·9	78·1	78·7	79·2	79·9	80·6	77·4
2	80·6	81·0	82·1	81·8	81·8	81·8	81·8	81·1	78·7	80·1	81·0	81·1	81·8	81·6	82·3	81·8	80·8	80·7	80·2	79·9	79·4	79·2	79·2	79·2	79·6	80·8
3	79·6	80·9	82·1	82·3	82·0	81·7	81·8	81·2	80·8	80·7	81·1	81·0	81·0	81·0	81·7	81·7	81·5	81·2	81·1	80·7	80·7	80·2	80·2	79·6	79·3	81·1
4	79·3	79·1	78·9	78·5	77·9	77·4	77·2	76·8	76·8	77·3	78·3	78·5	78·8	79·9	80·6	79·9	78·5	77·8	76·1	75·1	75·6	75·1	74·4	73·9	73·3	77·4
5	73·3	74·4	74·1	73·5	72·3	70·3	69·7	69·8	70·6	71·4	73·1	74·5	76·5	76·5	77·8	77·8	77·6	77·4	76·4	74·9	74·9	74·9	75·2	75·3	74·9	74·3
6	74·9	75·3	74·9	74·5	74·4	74·3	74·2	73·8	74·3	74·9	75·6	76·4	77·6	77·8	78·2	77·2	76·5	76·3	75·7	75·7	75·6	75·1	75·4	75·0	75·1	75·6
7	75·1	75·3	74·6	74·6	74·7	73·7	73·7	73·6	74·9	76·4	77·5	78·2	78·1	79·1	78·9	78·8	78·8	77·4	77·1	75·5	74·5	74·0	73·8	73·8	74·3	75·9
8	74·3	74·1	73·9	75·0	74·6	73·9	73·9	74·6	75·0	75·4	76·2	76·8	77·3	78·4	79·0	78·8	78·4	78·3	77·6	76·8	76·3	77·0	77·3	77·5	77·9	76·3
9	77·9	75·7	75·7	75·7	75·8	75·3	75·7	75·7	75·8	76·3	77·9	79·1	79·8	80·3	79·8	79·1	79·5	77·4	75·8	74·8	74·2	73·7	72·4	72·2	72·9	76·4
10	72·9	74·3	74·8	74·7	75·2	75·3	75·2	76·2	76·5	77·1	77·8	78·0	78·2	77·9	77·8	77·4	77·5	77·4	77·3	77·4	77·7	77·8	76·8	75·9	74·9	76·6
11	74·9	74·0	73·4	72·9	73·2	71·1	71·4	70·7	72·8	75·1	76·1	76·7	75·1	77·5	78·3	78·3	77·8	77·3	77·3	77·0	76·7	76·6	76·7	76·7	76·6	75·4
12	76·6	76·4	76·4	76·4	76·4	76·4	75·6	74·9	75·0	76·7	77·9	77·9	78·4	79·0	79·0	79·0	77·9	76·4	74·9	73·9	73·7	72·9	72·1	71·2	71·3	75·9
13	71·3	71·8	72·9	73·4	73·4	72·9	73·4	73·5	74·8	74·1	75·2	76·1	76·4	76·4	77·0	76·5	75·9	74·5	74·3	74·2	74·2	74·0	73·5	73·2	73·1	74·3
14	73·1	73·2	73·0	72·9	73·0	73·0	73·9	74·0	74·5	75·1	75·7	76·1	76·4	75·8	76·3	76·2	75·9	75·4	75·2	75·1	74·8	74·0	74·2	74·3	73·9	74·6
15	73·9	73·7	73·4	73·8	74·1	74·2	74·7	74·3	74·3	75·1	74·5	77·4	75·7	77·6	75·8	75·7	75·9	74·6	74·6	74·4	74·6	74·6	74·7	74·6	74·2	74·9
16	74·2	74·7	74·8	74·6	74·6	74·8	74·8	75·1	75·3	75·6	75·5	76·2	76·8	78·0	76·9	76·8	77·1	76·4	75·2	74·3	74·6	74·0	74·0	74·1	74·2	75·4
17	74·2	74·2	73·9	74·1	74·2	74·6	74·0	74·2	74·2	74·7	75·7	76·9	75·4	76·1	75·8	75·1	75·8	74·8	75·0	74·5	74·7	74·2	74·6	74·6	74·7	74·8
18	74·7	74·7	74·3	74·1	74·1	73·8	73·9	74·1	73·6	74·2	75·0	75·2	76·1	76·8	75·2	75·8	75·2	74·1	74·1	73·7	73·1	73·0	72·9	72·4	72·8	74·3
19	72·8	72·9	72·8	72·6	73·0	73·2	73·0	72·9	73·5	74·2	75·2	75·2	75·1	74·8	74·9	75·7	74·2	74·2	73·9	73·6	73·7	73·6	73·6	74·1	73·9	73·9
20	73·9	73·8	74·0	74·1	74·1	74·2	74·1	74·6	74·7	74·8	75·3	75·8	76·4	76·5	76·7	76·5	76·2	76·0	75·7	75·2	74·6	74·3	74·0	73·8	73·8	75·0
21	73·8	73·7	73·8	74·0	74·0	73·7	73·8	74·0	74·8	74·8	75·7	75·8	76·3	76·8	76·5	76·7	75·9	75·6	75·0	74·6	74·7	75·1	74·4	74·3	74·3	74·9
22	74·3	74·2	74·3	74·3	74·2	74·1	74·2	74·3	74·7	75·0	75·8	76·2	77·4	77·2	77·9	77·6	77·5	77·0	76·5	75·9	75·6	75·3	75·1	74·9	74·9	75·6
23	74·9	74·9	74·7	74·6	74·6	74·5	74·6	74·8	75·2	75·6	75·8	75·7	76·4	76·3	76·4	75·7	75·2	74·6	74·2	74·1	74·1	74·2	73·7	73·9	73·8	74·9
24	73·8	73·5	73·7	74·0	73·2	74·1	73·7	74·1	75·1	76·4	78·0	79·1	79·8	78·8	79·0	79·0	79·1	77·9	77·6	77·0	76·4	76·3	75·8	75·7	74·1	76·3
25	74·1	74·2	74·1	74·1	73·8	73·5	73·7	74·1	75·4	76·4	75·8	75·8	77·5	76·3	76·8	76·8	76·0	75·3	74·1	72·4	71·8	71·1	72·8	73·6	74·1	74·6
26	74·1	74·3	74·2	74·1	74·3	74·4	74·7	75·1	76·8	77·0	77·3	77·3	77·6	77·1	77·8	77·2	76·2	75·4	74·9	73·7	73·3	73·1	73·6	73·5	73·5	75·3
27	73·5	73·7	73·5	73·1	73·4	73·2	73·5	74·4	76·2	77·7	79·1	79·8	77·9	78·5	77·6	76·8	75·9	76·3	75·1	74·6	74·6	74·8	74·6	74·2	74·6	75·5
28	74·6	74·7	74·8	74·5	74·5	74·6	74·6	74·7	75·2	76·9	77·4	77·5	78·1	77·4	77·5	77·0	76·7	76·2	75·9	75·2	75·2	74·9	74·7	74·3	74·3	75·7
29	74·3	73·8	74·0	74·1	74·2	74·3	74·3	74·6	74·7	75·2	75·8	76·3	76·5	76·7	76·5	76·8	76·8	76·4	76·3	76·1	75·9	75·8	75·7	75·4	75·2	75·5
30	75·2	75·0	75·0	74·8	74·8	74·8	74·7	74·9	75·7	76·0	76·3	76·3	76·9	77·3	77·7	77·7	77·3	76·9	76·4	76·2	76·0	76·0	76·0	76·1	76·3	76·0
31	76·3	76·3	76·4	76·4	76·3	76·2	76·2	76·3	76·3	76·3	76·7	77·5	77·6	77·6	78·0	78·3	78·6	78·2	77·6	76·8	76·5	76·5	76·1	75·9	75·8	76·9
Mean ...	74·9	74·9	75·0	74·9	74·9	74·6	74·7	74·8	75·2	75·9	76·6	77·2	77·5	77·7	77·9	77·7	77·3	76·6	76·1	75·5	75·3	75·2	75·1	74·9	74·9	75·8
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MARCH, 1911.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	73	78	74	74	74	76	74	76	73	74	69	74	69	70	66	68	73	82	89	92	93	92	94	96	93	78·5
2	93	93	78	80	78	83	76	78	84	79	72	74	69	68	64	68	74	74	76	81	83	84	91	98	97	79·1
3	97	97	91	92	86	89	88	93	94	94	90	92	94	96	95	95	97	96	90	93	86	90	86	88	90	91·9
4	90	87	90	95	88	93	89	92	91	87	82	79	72	64	63	66	69	68	73	77	78	80	79	79	79	80·3
5	79	72	72	73	65	72	80	77	74	85	76	76	82	83	72	74	76	77	77	89	91	91	92	92	97	79·4
6	97	96	91	96	96	96	91	97	97	97	94	92	87	88	83	85	87	86	86	84	79	81	74	75	75	88·5
7	75	75	73	74	71	74	70	69	68	68	67	70	67	66	61	62	63	70	77	77	80	84	84	85	79	72·1
8	79	82	89	92	90	94	94	94	94	99	94	95	90	90	88	91	89	89	91	94	94	97	96	99	95	92·2
9	95	92	87	87	85	86	86	86	84	81	74	69	62	61	59	61	62	65	69	74	75	76	74	72	78	75·5
10	78	74	74	77	87	86	92	88	84	84	74	81	80	86	83	94	93	94	95	94	93	97	91	81	80	85·9
11	80	78	76	77	71	100	81	75	72	68	73	74	100	77	67	80	71	77	71	76	84	86	86	86	83	78·6
12	83	88	88	89	89	89	90	78	85	81	73	83	68	62	61	60	58	58	60	66	82	67	60	58	57	73·5
13	57	62	75	83	84	88	85	91	88	76	70	63	57	61	55	58	59	69	67	61	70	78	80	87	80	72·3
14	80	80	79	79	76	77	77	75	70	65	60	62	56	60	57	57	60	61	64	64	61	72	78	84	86	69·0
15	86	88	90	88	87	78	78	88	89	85	86	72	80	73	86	85	79	81	75	79	76	75	80	82	87	81·9
16	87	81	80	82	83	84	87	85	86	86	87	85	78	77	74	78	67	65	69	82	73	81	79	79	80	79·7
17	80	82	87	89	89	84	87	88	94	90	84	82	85	86	83	84	79	83	84	84	82	85	84	82	80	84·9
18	80	83	83	85	80	89	85	83	89	87	96	100	95	87	90	87	89	90	87	88	98	86	83	84	82	87·7
19	82	88	87	93	93	88	93	93	91	87	89	83	84	88	82	83	87	88	92	92	87	86	89	85	90	88·1
20	90	93	90	90	91	96	99	96	99	98	94	95	94	96	93	94	94	96	92	92	90	87	85	87	85	92·9
21	85	84	84	82	82	82	83	82	79	79	80	80	76	77	78	78	81	84	79	81	84	81	84	85	86	81·3
22	86	86	87	87	88	88	87	86	88	87	85	85	82	82	80	82	82	82	83	87	86	85	84	87	81	85·0
23	81	81	81	81	82	82	81	81	84	81	81	84	82	79	79	80	82	74	78	79	80	79	77	82	86	80·6
24	86	88	89	88	96	91	99	89	92	80	69	65	63	64	68	66	65	78	75	81	89	85	89	84	92	80·9
25	92	88	81	81	77	89	63	79	65	64	62	59	55	56	59	57	58	58	61	63	62	74	73	85	82	69·0
26	82	82	89	92	93	90	87	88	85	79	83	88	89	89	90	82	90	90	83	82	83	80	80	80	78	85·6
27	78	81	96	86	84	86	82	81	72	68	59	64	69	67	74	85	85	76	92	91	92	88	92	94	91	81·2
28	91	95	97	93	94	90	92	90	87	81	76	75	75	76	77	79	80	82	83	83	83	87	86	86	82	84·7
29	82	87	85	88	88	86	86	86	87	93	91	92	93	95	98	93	95	96	94	96	98	96	98	99	100	92·1
30	100	100	100	100	100	99	100	100	100	96	100	100	98	96	98	95	100	100	100	100	100	100	100	100	100	99·3
31	100	100	100	100	100	100	100	100	100	100	96	90	92	91	90	88	85	87	88	88	89	89	87	91	90	93·6
Mean ...	84·6	85·2	85·3	86·2	85·4	87·3	85·9	85·9	85·3	83·2	80·2	80·1	78·8	77·8	76·5	77·9	78·4	79·9	80·6	82·9	83·9	84·5	84·4	85·5	85·2	82·7
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** APRIL, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.

Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE and TEMPERATURE. APRIL, 1911.

DAY.	Pressure Max.	Pressure Min.	Temperature Max.	Temperature Min.	DAY.	Pressure Max.	Pressure Min.	Temperature Max.	Temperature Min.	DAY.	Pressure Max.	Pressure Min.	Temperature Max.	Temperature Min.	DAY.	Pressure Max.	Pressure Min.	Temperature Max.	Temperature Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0142	·0071	**86·4**	78·5	9	**·0319**	·0277	83·9	76·7	17	·0079	·9922	84·6	81·8	25	·0091	·0026	85·4	80·6
2	·0197	·0142	84·3	76·7	10	·0277	·0231	83·8	77·9	18	·9922	**·9657**	84·2	80·5	26	·0129	·9964	84·5	80·1
3	·0281	·0197	82·0	76·5	11	·0266	·0242	84·6	75·2	19	·0044	**·9657**	83·6	79·8	27	·0019	·9953	85·7	82·4
4	·0296	·0261	81·2	75·8	12	·0281	·0257	85·4	73·1	20	·0158	·0044	83·9	79·2	28	·0025	·9930	84·6	79·1
5	·0297	·0257	80·7	74·2	13	·0302	·0280	85·1	75·2	21	·0191	·0101	85·3	83·8	29	·0030	·9872	84·2	79·2
6	·0298	·0264	79·8	**72·4**	14	·0299	·0263	84·3	76·5	22	·0186	·0153	86·3	83·8	30	·0148	·0030	86·2	81·2
7	·0272	·0226	80·9	75·4	15	·0263	·0161	85·1	75·2	23	·0192	·0135	86·0	81·2					
8	·0307	·0249	84·1	76·3	16	·0161	·0079	86·2	81·5	24	·0189	·0080	85·4	80·6	Mean.	—	—	84·3	78·3

TABLE II.

VALENCIA. APRIL, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0074	·0075	·0074	·0073	·0073	·0076	·0075	.0078	·0085	·0092	·0097	·0099	·0103	·0105	·0108	·0109	·0119	·0115	·0117	·0126	·0130	·0136	·0137	·0140	·0142	·0102
2	·0142	·0143	·0143	·0143	·0143	·0145	·0148	.0154	·0157	·0160	·0161	·0162	·0164	·0163	·0162	·0161	·0162	·0167	·0172	·0175	·0178	·0185	·0189	·0194	·0197	·0163
3	·0197	·0200	·0200	·0201	·0201	·0207	·0212	·0224	·0228	·0233	·0235	·0235	·0237	·0238	·0238	·0239	·0240	·0242	·0246	·0253	·0261	·0268	·0274	·0276	·0281	·0234
4	·0281	·0284	·0286	·0286	·0284	·0283	·0288	·0293	·0296	·0295	·0294	·0293	·0291	·0287	·0281	·0280	·0277	·0274	·0273	·0272	·0271	·0269	·0268	·0264	·0261	·0282
5	·0261	·0262	·0259	·0259	·0259	·0257	·0259	·0262	·0262	·0263	·0261	·0262	·0261	·0260	·0259	·0260	·0258	·0263	·0265	·0273	·0276	·0287	·0291	·0294	·0297	·0266
6	·0297	·0296	·0293	·0289	·0287	·0289	·0293	·0296	·0295	·0290	·0285	·0285	·0280	·0276	·0273	·0271	·0266	·0266	·0265	·0266	0269	·0273	·0275	·0270	·0272	·0281
7	·0272	·0270	·0266	·0262	·0262	·0259	·0255	·0257	·0258	·0256	·0254	·0251	·0247	·0244	·0241	·0236	·0233	·0228	·0230	·0231	·0236	·0244	·0247	·0249	·0249	·0249
8	·0249	·0250	·0251	·0255	·0256	·0262	·0269	·0275	·0281	·0288	·0291	·0293	·0293	·0291	·0289	·0288	·0286	·0290	·0290	·0293	·0300	·0302	·0301	·0303	·0307	·0282
9	·0307	·0308	·0310	·0311	·0309	·0311	·0314	·0317	·0316	·0318	·0313	·0313	·0310	·0306	·0303	·0299	·0295	·0294	·0293	·0290	·0286	·0288	·0285	·0280	·0277	·0303
10	·0277	·0272	·0265	·0263	·0259	·0255	·0256	·0255	·0256	·0252	·0251	·0247	·0242	·0241	·0234	·0238	·0236	·0235	·0232	·0236	·0240	·0250	·0249	·0252	·0254	·0249
11	·0254	·0255	·0252	·0252	·0251	·0252	·0255	·0260	·0263	·0263	·0263	·0260	·0255	·0252	·0249	·0245	·0244	·0247	·0249	·0253	·0259	·0266	·0266	·0266	·0264	·0256
12	·0264	·0265	·0264	·0262	·0261	·0258	·0259	·0261	·0263	·0263	·0264	·0263	·0261	·0262	·0261	·0264	·0265	·0265	·0267	·0271	·0274	·0278	·0280	·0279	·0281	·0266
13	·0281	·0281	·0280	·0281	·0281	·0283	·0285	·0289	·0293	·0298	·0299	·0299	·0297	·0298	·0294	·0294	·0293	·0296	·0294	·0296	·0298	·0300	·0301	·0302	·0299	·0293
14	·0299	·0298	·0298	·0297	·0294	·0294	·0292	·0291	·0293	·0292	·0293	·0292	·0292	·0289	·0289	·0282	·0274	·0274	·0273	·0273	·0274	·0275	·0270	·0266	·0263	·0285
15	·0263	·0260	·0255	·0251	·0245	·0239	·0236	·0235	·0232	·0229	·0224	·0219	·0214	·0209	·0205	·0201	·0194	·0189	·0181	·0180	·0177	·0177	·0169	·0164	·0161	·0212
16	·0161	·0158	·0150	·0146	·0141	·0139	·0137	·0138	·0136	·0135	·0134	·0132	·0131	·0128	·0124	·0120	·0115	·0110	·0108	·0103	·0099	·0099	·0091	·0083	·0079	·0124
17	·0079	·0070	·0064	·0057	·0051	·0045	·0039	·0040	·0037	·0035	·0031	·0028	·0026	·0018	·0014	·0002	·9997	·9990	·9985	·9975	·9968	·9959	·9946	·9934	·9922	·0013
18	·9922	·9913	·9899	·9884	·9866	·9848	·9829	·9830	·9823	·9819	·9808	·9794	·9776	·9754	·9759	·9753	·9748	·9738	·9728	·9715	·9700	·9691	·9672	·9660	·9657	·9783
19	·9657	·9660	·9666	·9681	·9697	·9711	·9724	·9732	·9743	·9758	·9775	·9791	·9804	·9814	·9834	·9852	·9874	·9897	·9927	·9951	·9972	·9994	·0012	·0028	·0044	·9823
20	·0044	·0060	·0073	·0086	·0096	·0108	·0119	·0132	·0138	·0147	·0149	·0151	·0157	·0157	·0157	·0150	·0148	·0140	·0123	·0108	·0103	·0102	·0097	·0099	·0101	·0120
21	·0101	·0110	·0121	·0126	·0135	·0140	·0150	·0160	·0164	·0174	·0182	·0183	·0187	·0190	·0188	·0184	·0184	·0184	·0181	·0181	·0178	·0180	·0178	·0176	·0179	·0166
22	·0179	·0177	·0176	·0177	·0177	·0177	·0177	·0181	·0181	·0183	·0184	·0185	·0183	·0181	·0179	·0174	·0172	·0162	·0161	·0161	·0160	·0160	·0156	·0155	·0153	·0173
23	·0153	·0148	·0144	·0141	·0138	·0136	·0136	·0140	·0145	·0150	·0158	·0160	·0161	·0162	·0167	·0174	·0176	·0179	·0180	·0180	·0186	·0191	·0190	·0189	·0189	·0163
24	·0189	·0186	·0182	·0175	·0170	·0166	·0165	·0159	·0152	·0155	·0158	·0152	·0146	·0145	·0145	·0140	·0130	·0131	·0123	·0114	·0109	·0108	·0097	·0088	·0080	·0143
25	·0080	·0067	·0056	·0043	·0036	·0032	·0029	·0027	·0026	·0027	·0030	·0034	·0037	·0040	·0040	·0042	·0037	·0037	·0047	·0054	·0064	·0075	·0079	·0082	·0091	·0047
26	·0091	·0094	·0096	·0101	·0106	·0107	·0113	·0118	·0124	·0124	·0127	·0126	·0126	·0122	·0118	·0113	·0104	·0093	·0081	·0064	·0047	·0029	·0001	·9977	·9964	·0089
27	·9964	·9963	·9959	·9961	·9961	·9961	·9961	·9961	·9960	·9958	·9954	·9956	·9958	·9958	·9958	·9959	·9964	·9974	·9981	·9987	·9996	·0006	·0011	·0013	·0019	·9972
28	·0019	·0023	·0022	·0023	·0019	·0015	·0010	·0004	·9997	·9992	·9983	·9976	·9971	·9961	·9961	·9953	·9947	·9946	·9941	·9937	·9939	·9939	·9934	·9931	·9930	·9975
29	·9930	·9927	·9919	·9918	·9911	·9902	·9895	.9890	·9880	·9876	·9873	·9874	·9878	·9880	·9890	·9899	·9916	·9932	·9948	·9962	·9977	·9994	·0005	·0020	·0030	·9923
30	·0030	·0038	·0049	·0056	·0059	·0065	·0073	·0079	·0081	·0090	·0098	·0101	·0110	·0117	·0122	·0126	·0130	·0134	·0137	·0139	·0143	·0146	·0147	·0145	·0146	·0103
Mean...	1·0 1439	1·0 1438	1·0 1424	1·0 1420	1·0 1409	1·0 1407	1·0 1418	1·0 1446	1·0 1455	1·0 1472	1·0 1476	1·0 1472	1·0 1466	1·0 1449	1·0 1447	1·0 1436	1·0 1430	1·0 1431	1·0 1433	1·0 1440	1·0 1457	1·0 1490	1·0 1473	1·0 1460	1·0 1463	1·0 1446
Normals 1871–1910.	1·0 1162	1·0 1152	1·0 1128	1·0 1111	1·0 1097	1·0 1094	1·0 1108	1·0 1121	1·0 1138	1·0 1145	1·0 1159	1·0 1162	1·0 1162	1·0 1152	1·0 1148	1·0 1128	1·0 1118	1·0 1114	1·0 1121	1·0 1131	1·0 1152	1·0 1169	1·0 1176	1·0 1165	1·0 1162	1·0 1138

(21341—24.) Wt. 41466—310. 250. 10/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY

DAYS.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	6	5·4	8	4·9	7	6·3	8	6·7	8	6·3	8	8·9	8	8·5	7	6·7	8	5·4	8	6·3	12	3·6	14	4·0
2	—	1·3	7	1·8	—	1·3	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·5	—	1·3	—	1·3	31	1·8
3	—	0·9	—	0·9	4	2·2	2	2·7	4	4·0	4	3·6	4	3·1	3	4·9	3	5·4	4	6·7	5	8·1	5	8·1
4	7	4·5	8	5·8	8	5·4	8	4·9	8	5·4	8	5·4	8	4·5	8	4·5	8	2·2	4	2·2	4	4·5	4	4·5
5	4	6·7	5	4·5	5	2·7	5	2·2	5	1·8	—	1·3	—	0·9	4	1·8	4	3·6	5	6·3	6	6·7	4	6·7
6	5	8·5	6	6·7	6	6·3	5	6·3	4	7·2	4	5·4	5	5·4	5	6·7	5	10·7	4	12·5	5	12·1	4	11·6
7	6	5·8	4	3·6	5	6·3	4	2·7	5	5·4	5	5·4	6	6·7	5	6·7	4	6·7	5	6·7	4	5·8	2	6·3
8	6	4·0	6	3·1	8	2·7	8	3·6	8	3·6	8	3·6	8	4·5	6	4·5	7	4·9	9	5·8	9	5·4	9	3·6
9	8	2·7	8	2·7	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	1	1·8	6	4·5	5	4·9	4	4·5	4	4·0
10	2	3·1	5	1·8	—	0·9	—	0·9	—	0·5	3	2·7	4	5·4	3	4·9	4	7·6	3	6·7	4	5·4	4	8·9
11	6	3·1	6	3·6	—	1·3	6	3·1	5	1·8	5	4·0	4	3·6	4	2·7	5	4·5	4	4·9	4	5·4	9	4·5
12	8	2·2	8	2·2	8	1·8	8	2·7	8	2·2	8	1·8	8	1·8	—	0·9	—	1·3	—	1·3	1	1·8	28	3·6
13	—	0·9	—	0·5	1	1·8	—	1·3	—	0·9	1	1·8	—	0·9	—	0·0	—	0·5	—	1·3	2	1·8	25	3·6
14	—	0·5	—	0·9	—	0·9	—	0·9	4	1·8	—	0·9	—	0·9	—	0·9	2	3·6	32	3·6	1	3·1	30	3·1
15	2	2·2	—	1·3	—	0·9	27	1·8	26	3·1	25	3·1	25	3·1	25	4·9	24	4·9	24	5·4	23	6·7	22	8·1
16	22	6·7	22	6·7	22	6·7	22	5·4	22	5·4	22	5·4	22	5·4	22	7·6	22	6·7	22	6·7	22	7·6	22	8·1
17	18	3·6	18	4·0	18	3·6	17	4·5	17	4·5	17	3·6	17	3·6	17	4·5	16	4·5	16	5·4	16	6·3	16	5·8
18	16	8·1	16	8·1	15	9·4	15	10·7	15	10·7	15	11·6	15	8·9	15	8·5	15	9·8	14	11·2	14	13·0	13	13·4
19	11	2·2	1	2·2	24	4·9	23	9·4	23	9·4	23	8·1	22	5·4	22	4·5	22	4·9	24	5·4	24	7·6	23	12·1
20	24	11·2	24	11·6	23	10·3	25	10·7	25	9·4	23	8·1	23	9·4	22	9·4	21	8·1	21	6·7	21	6·7	20	6·3
21	19	8·5	19	9·4	18	8·1	19	8·1	17	6·7	17	6·3	17	5·4	16	6·7	16	6·7	16	5·4	15	5·4	15	6·3
22	17	6·7	16	7·6	17	6·3	17	6·7	16	5·8	16	5·8	16	5·4	16	5·8	16	5·8	17	5·8	17	4·9	17	4·9
23	18	4·9	17	6·3	20	7·2	20	6·7	20	8·1	20	7·2	21	7·2	21	7·6	21	9·4	21	9·4	22	8·5	22	8·9
24	20	2·2	19	2·2	17	3·1	17	3·1	17	3·6	16	3·1	16	4·0	16	5·4	16	5·4	17	4·9	16	5·4	16	6·3
25	15	7·6	15	6·7	16	7·6	16	8·1	16	6·7	16	6·7	16	6·7	17	6·7	19	5·8	21	6·7	22	7·6	22	8·1
26	25	6·7	24	8·9	25	6·7	25	9·4	25	7·2	24	7·2	23	6·7	24	6·7	24	6·7	23	5·4	22	8·1	22	6·7
27	21	9·8	21	10·3	21	10·3	21	11·2	21	9·8	21	9·4	21	9·4	21	9·4	21	10·3	21	10·3	21	13·4	21	13·4
28	22	9·4	21	9·4	21	9·4	21	6·7	21	6·7	20	4·9	20	7·6	20	7·6	19	6·7	19	6·3	20	6·7	20	5·4
29	21	5·4	21	5·4	21	5·4	19	3·1	18	4·0	17	3·1	18	2·2	16	3·1	15	3·6	14	2·7	17	2·2	14	1·8
30	31	6·7	29	6·7	29	4·9	28	5·8	27	5·4	29	4·5	27	4·5	26	5·8	27	4·9	27	4·9	28	4·5	26	5·4
Mean ...	—	5·1	—	5·0	—	4·9	—	5·0	—	5·0	—	4·8	—	4·8	—	5·1	—	5·5	—	5·7	—	6·1	—	6·5
Normals 1881–1910.	—	4·7	—	4·7	—	4·6	—	4·6	—	4·6	—	4·7	—	4·8	—	5·1	—	5·5	—	5·8	—	5·9	—	6·4

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. APRIL, 1911.

DAYS.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
17	—	—	—	—	—	—	—	—	—	—	—	—	0·76	—	—	—	0·25	1·52	—	2·03	0·76	1·78	1·02	1·78	9·90
18	1·02	1·02	2·03	2·03	2·03	1·02	—	—	—	0·25	—	—	1·27	0·51	0·51	—	0·25	—	0·25	1·52	0·76	1·52	0·51	0·25	16·75
19	0·51	1·02	—	—	—	—	—	—	—	—	0·25	0·25	—	—	—	—	0·25	—	0·25	—	—	—	—	0·25	2·78
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·27	1·27	1·02	2·54	1·27	0·25	0·51	1·78	10·16
21	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	0·76	0·76	1·02	1·02	4·58
22	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·50
23	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
24	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	0·76	1·02	0·25	—	—	—	0·25	—	2·53
25	0·25	1·52	1·52	0·51	—	—	—	—	—	—	—	—	—	—	0·25	0·51	3·81	3·30	1·27	—	—	—	—	—	12·94
26	—	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	0·51	0·76	1·78	1·52	3·05	4·83	2·29	0·51	15·75
27	—	—	—	—	0·76	0·25	—	1·52	0·25	—	—	—	—	—	—	—	—	—	0·76	—	—	—	—	—	3·54
28	—	0·25	—	—	—	—	—	—	—	—	—	1·52	0·76	—	—	—	—	—	—	0·76	0·51	0·25	—	0·25	4·30
29	—	—	0·76	—	—	2·03	2·54	—	1·02	—	0·25	—	—	0·25	0·76	—	—	—	—	—	—	—	—	—	7·61
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	2·54	4·06	4·31	2·54	2·79	3·81	2·79	1·52	1·27	0·50	0·50	1·77	3·04	0·76	1·52	0·76	7·10	7·87	6·09	8·37	7·11	9·39	5·60	6·09	92·10
Normals 1871–1910.	4·88	4·24	4·47	4·67	4·72	4·75	4·62	4·52	4·47	3·78	3·50	4·22	3·86	3·91	3·61	3·96	3·83	4·24	3·89	4·42	3·81	3·68	4·11	3·71	99·87

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. APRIL, 1911.

	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	15	4·5	15	3·1	16	4·0	16	3·1	16	3·6	16	2·2	—	0·5	12	2·7	—	0·9	7	1·8	—	1·3	—	1·3	4·3	1
2	28	3·1	28	3·1	24	2·7	24	3·1	27	3·1	28	3·6	28	3·1	—	0·9	28	2·2	—	0·9	—	0·9	—	0·9	1·7	2
3	4	6·7	2	6·7	2	7·2	3	6·7	3	5·4	4	4·5	5	6·3	5	7·2	7	8·1	6	6·7	7	8·1	6	6·3	5·3	3
4	5	3·1	1	4·5	2	5·4	2	6·3	2	7·2	2	6·7	2	6·3	2	4·9	3	5·4	4	8·1	4	8·1	4	8·5	5·3	4
5	3	8·5	4	8·9	4	8·9	4	8·5	4	7·6	4	6·7	4	6·7	4	8·9	5	8·9	6	9·8	5	8·5	4	6·7	6·0	5
6	4	12·5	4	10·7	4	10·3	4	9·4	4	8·9	4	9·4	5	9·4	5	9·4	5	8·5	6	7·6	5	8·1	5	6·3	8·7	6
7	3	4·9	2	4·5	3	3·6	4	3·6	3	6·7	3	5·4	4	4·5	5	3·1	7	2·2	—	0·9	—	1·3	6	2·2	4·6	7
8	10	3·6	12	2·2	17	1·8	2	4·0	21	4·5	8	3·6	3	6·7	4	3·1	5	5·4	6	4·5	6	3·1	6	3·1	4·0	8
9	4	4·0	4	4·9	3	5·4	4	6·7	5	5·8	5	4·5	3	3·6	—	0·9	5	2·7	2	2·2	1	1·8	2	1·8	3·1	9
10	4	7·6	4	9·4	3	6·7	3	5·4	3	5·8	3	5·4	3	3·6	7	2·2	8	3·1	8	2·2	—	0·9	6	3·1	4·3	10
11	5	3·6	8	2·2	3	4·5	15	3·1	19	3·6	19	1·8	19	1·8	—	1·3	—	0·9	—	0·9	—	0·9	8	1·8	2·9	11
12	27	3·1	27	4·0	23	3·6	25	3·1	26	4·0	26	2·7	—	0·9	—	0·0	—	0·9	—	0·9	32	2·2	—	0·5	2·1	12
13	25	2·7	25	2·7	25	3·1	25	3·1	27	4·5	28	5·4	28	4·5	32	1·8	—	1·3	32	4·0	—	1·3	—	0·9	2·1	13
14	27	3·6	27	4·5	27	5·4	27	4·9	27	4·9	27	4·5	27	2·7	27	2·2	—	1·3	—	0·5	—	1·3	—	0·9	2·4	14
15	22	8·1	22	8·1	22	7·6	22	8·1	22	8·1	22	6·7	22	8·1	22	6·7	22	7·6	22	6·7	22	5·8	22	6·3	5·6	15
16	22	8·1	21	6·7	21	6·7	21	6·3	21	4·9	21	4·9	19	3·1	19	2·7	19	2·2	19	2·2	18	4·0	18	3·1	5·6	16
17	16	5·4	16	6·7	16	6·7	16	6·7	16	6·7	16	5·4	16	6·7	16	6·3	16	6·7	16	7·6	16	7·2	16	8·1	5·6	17
18	12	14·3	17	6·7	16	5·4	15	6·7	14	9·4	14	9·8	13	9·8	12	10·3	13	9·8	10	6·7	12	6·7	12	5·4	9·4	18
19	23	13·0	23	13·4	23	14·3	24	15·2	25	17·0	25	17·9	25	17·0	25	17·0	25	16·5	25	15·2	24	13·0	25	11·6	10·7	19
20	17	5·4	17	6·3	16	5·4	16	6·3	16	6·7	15	9·8	14	11·6	14	12·5	15	8·9	16	7·6	17	5·8	17	6·7	8·4	20
21	15	6·7	15	7·2	15	8·1	15	7·6	15	8·1	15	8·1	15	8·9	16	8·1	15	8·5	15	8·1	16	8·1	16	8·1	7·4	21
22	17	5·4	17	6·3	16	7·2	16	5·4	16	5·4	16	6·7	17	6·3	17	6·3	17	5·8	17	6·3	17	5·8	17	5·4	6·0	22
23	22	10·3	21	9·4	22	5·8	22	7·6	22	6·7	22	5·4	22	4·5	22	4·5	22	4·5	22	4·9	22	5·8	22	3·1	6·8	23
24	16	6·7	16	5·8	16	6·3	17	6·3	17	5·8	16	4·9	16	5·4	16	5·8	16	5·4	16	6·7	16	6·7	16	6·7	5·1	24
25	22	8·5	22	6·7	22	6·3	22	3·1	25	1·8	29	8·1	29	8·9	30	5·4	28	4·9	26	4·9	26	7·6	26	8·1	6·6	25
26	21	8·1	21	6·7	20	6·3	19	5·4	17	4·9	16	5·4	15	5·4	15	5·8	15	7·2	15	8·1	15	7·6	20	9·8	7·0	26
27	21	13·9	21	14·3	21	13·0	22	13·0	22	10·7	22	11·6	22	9·8	22	10·3	22	11·6	22	10·7	22	10·7	22	9·8	11·1	27
28	20	7·2	21	6·7	21	8·5	21	9·8	21	8·5	21	8·5	21	7·2	21	6·3	19	4·9	22	3·6	17	3·6	20	6·7	7·0	28
29	7	3·6	3	5·4	2	6·7	1	9·4	1	10·3	32	8·9	32	9·8	32	10·7	32	9·8	32	9·8	32	8·1	32	6·7	5·9	29
30	27	6·3	25	5·8	24	5·4	24	4·5	24	4·5	24	4·5	25	3·1	25	3·1	24	3·6	24	1·8	19	2·2	19	2·7	4·7	30
	—	6·8	—	6·5	—	6·4	—	6·4	—	6·5	—	6·4	—	6·2	—	5·7	—	5·7	—	5·4	—	5·2	—	5·1	5·7	Normals 1881–1910.
	—	6·7	—	6·7	—	6·7	—	6·7	—	6·4	—	6·1	—	5·6	—	5·1	—	5·0	—	4·8	—	4·7	—	4·7	5·4	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. APRIL, 1911.

DAYS.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·2	·3	—	—	—	—	1·0	1·0	1·0	1·0	1·0	·4	—	—	5·9	A.M. rather dull ; P.M. fine.
2	—	—	—	—	—	—	—	—	·2	·1	·5	·6	·7	·3	—	—	—	2·4	Dense fog in morning, clearer later.
3	—	—	·1	·8	·9	·9	1·0	·7	·6	1·0	·8	·3	·1	—	—	—	—	7·2	Fair during day, dull evening.
4	—	—	—	4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·2	—	—	10·3	∞, fine.
5	—	—	·2	1·0	1·0	1·0	1·0	1·0	·5	·7	·5	·6	·8	·9	·5	—	—	9·7	Fine.
6	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	—	—	11·1	Fine, with ⸗ from N.E.
7	—	—	—	·7	1·0	1·0	1·0	·7	—	—	—	·1	—	·2	—	—	—	4·7	Fair to dull.
8	—	—	·2	1·0	1·0	1·0	1·0	·9	·7	1·0	1·0	·7	·4	·2	·2	—	—	9·3	Fine.
9	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	11·7	A sunny day, but ∞.
10	—	—	—	—	·6	·5	·6	1·0	1·0	1·0	1·0	·6	·7	1·0	·5	—	—	8·5	Fair.
11	—	—	·1	·4	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	10·8	Fine day, becoming misty in evening.
12	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·3	—	—	—	—	9·6	⊔ ; fine with ∞.
13	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	—	—	12·3	⊔ ; continuous sunshine, but hazy.
14	—	—	·6	1·0	·8	·5	·2	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	10·5	⊔ ; cloudy to bright.
15	—	—	—	—	—	—	—	·6	·3	·6	—	—	·2	·3	·9	—	—	2·9	Fair to dull.
16	—	—	—	—	—	—	—	—	·6	·8	·8	—	—	—	—	—	—	2·2	Cloudy, with S.Wly. wind.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty, with ● after 12h.
18	—	—	—	—	—	—	—	—	—	—	—	·2	·5	·5	—	—	—	1·2	Gloomy, with ≋ and ●.
19	—	—	—	·2	·2	—	·1	—	—	—	—	—	—	—	—	—	—	0·5	Misty and showery, with ⸗ from W. in afternoon.
20	—	—	·1	·7	·8	—	·1	—	—	—	—	—	—	—	—	—	—	1·7	Clear at first, becoming misty and wet P.M.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast ; heavy mist and ●.
22	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	0·1	Very misty all day.
23	—	—	—	—	—	—	—	·1	·7	1·0	·7	1·0	1·0	·8	1·0	—	—	6·3	A.M. dull ; P.M. fine.
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Misty and gloomy with ●.
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast ; ≋, and ●.
26	—	—	·3	·3	·8	·9	·6	·6	·5	·3	—	—	—	—	—	—	—	4·3	A.M. generally fair ; P.M. dull, with ●.
27	—	—	—	—	·05	—	·1	·9	·4	·1	·1	·3	·1	·05	·1	—	—	2·2	Showery and squally.
28	—	—	·3	·9	·8	·2	—	—	—	·3	1·0	1·0	1·0	·1	·1	—	—	5·7	Showery to clear.
29	—	—	—	—	·2	·3	·5	—	·2	·4	·1	·2	·5	—	·5	·4	—	3·3	Heavy ● showers and bright intervals alternately.
30	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·7	·6	·8	·1	—	11·7	Fine.
	—	—	4·1	12·6	15·35	13·2	13·2	13·9	13·7	16·4	15·4	14·4	14·0	11·55	7·8	0·5	—	166·1	Total.
	—	0·19	4·64	10·29	12·54	13·77	14·52	14·43	14·54	14·55	14·31	13·84	12·70	11·53	6·51	0·59	—	158·95	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. APRIL, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	82·8	82·5	82·6	82·5	82·4	82·3	82·2	82·0	82·6	83·5	83·3	84·5	84·8	85·1	86·3	86·3	85·8	85·4	84·2	82·9	81·6	81·1	79·9	79·3	78·5	83·1
2	78·5	77·9	77·4	77·6	77·4	77·3	77·5	78·8	78·9	79·6	80·1	81·2	81·5	81·8	82·9	84·3	83·2	82·6	81·5	81·3	80·2	80·7	79·3	79·6	80·0	80·1
3	80·0	80·1	80·3	81·1	80·4	79·8	79·2	79·1	79·8	80·6	81·0	81·8	81·7	81·7	81·0	80·7	80·4	80·1	80·3	79·6	79·0	78·5	78·1	77·8	76·5	80·0
4	76·5	76·0	76·2	76·8	76·3	76·7	76·0	76·7	78·2	79·5	80·0	80·3	80·6	80·9	81·0	81·2	80·6	80·2	79·3	79·0	78·6	78·5	78·2	77·9	77·5	78·7
5	77·5	77·2	75·7	75·0	74·2	74·6	74·8	75·2	76·7	77·5	78·4	79·2	80·1	79·8	80·7	79·5	79·3	79·5	79·1	77·4	76·5	76·1	75·3	74·9	74·2	77·2
6	74·2	74·1	73·2	73·2	72·9	73·0	72·8	72·9	73·9	74·6	75·6	76·7	77·2	77·9	78·5	79·2	79·5	79·6	79·2	78·9	78·1	77·5	77·6	77·8	77·1	76·2
7	77·1	77·1	76·3	76·3	75·5	76·5	76·0	75·9	77·1	77·6	78·8	80·4	80·7	79·9	80·1	79·8	80·7	80·7	80·3	80·1	79·7	79·5	79·2	78·7	78·2	78·5
8	78·2	78·4	77·8	77·2	77·7	77·9	78·1	77·8	78·5	79·6	80·4	81·0	81·0	81·3	82·8	83·8	83·5	82·5	82·3	81·7	80·3	79·4	78·7	78·7	78·5	80·0
9	78·5	78·2	78·1	78·2	77·4	77·3	77·2	77·0	79·5	80·2	81·2	82·0	82·6	83·2	83·2	82·9	82·5	82·4	81·7	81·4	79·5	79·0	79·3	79·9	79·3	80·1
10	79·3	79·3	78·9	78·7	78·1	78·5	79·6	79·6	79·6	80·3	80·2	81·5	82·9	83·4	83·2	83·2	82·4	82·5	82·8	81·8	80·5	80·4	78·8	79·1	78·4	80·6
11	78·4	77·9	77·3	77·0	76·1	75·3	76·0	76·7	77·1	78·9	78·8	80·4	81·4	82·8	83·2	84·0	84·2	83·4	82·5	81·0	79·3	78·5	77·5	76·8	75·3	79·3
12	75·3	74·6	74·3	74·1	73·7	73·4	74·0	74·5	76·5	79·5	81·4	83·1	84·2	84·8	85·4	83·5	84·3	83·8	83·3	82·8	81·0	80·1	79·6	79·6	78·2	79·5
13	78·2	78·4	77·2	76·3	76·1	76·3	75·4	76·2	79·1	81·7	83·1	83·8	85·1	84·9	84·9	84·8	84·8	83·7	83·5	82·3	81·6	81·3	80·6	79·5	78·5	80·7
14	78·5	78·1	79·0	77·4	76·8	78·4	78·7	78·6	81·4	82·1	82·8	83·5	83·2	84·1	83·9	83·7	83·5	83·1	82·3	82·0	80·6	79·9	79·3	77·7	76·5	80·8
15	76·5	75·6	75·7	76·5	78·8	80·7	81·0	81·4	81·8	82·6	83·2	84·1	84·6	84·9	84·8	85·0	84·1	83·9	84·0	82·8	82·5	82·5	82·3	82·1	81·7	81·8
16	81·7	82·2	82·1	82·2	81·8	82·1	82·2	82·4	83·1	83·5	83·5	83·9	84·3	84·2	86·2	85·6	85·0	84·5	83·9	83·2	82·5	82·2	81·7	82·2	82·4	83·2
17	82·4	82·3	82·5	82·4	82·1	82·2	82·1	82·3	82·1	83·0	83·9	84·1	83·4	82·8	84·1	84·6	83·6	83·5	83·1	82·9	82·6	82·5	82·5	82·7	82·6	82·9
18	82·6	82·8	82·8	82·8	82·8	82·9	83·1	82·8	82·8	83·1	83·4	83·8	84·0	84·0	82·3	81·5	82·2	82·6	82·0	82·0	81·7	81·7	81·2	80·9	80·8	82·5
19	80·8	80·3	79·8	80·2	80·9	81·3	81·2	81·3	82·2	82·6	83·1	83·7	82·0	82·3	82·4	81·2	80·8	81·2	80·9	80·4	81·2	81·0	80·9	80·7	80·5	81·3
20	80·5	80·4	79·9	80·2	80·3	80·1	80·2	80·9	81·8	81·7	82·0	82·4	83·5	83·5	83·3	83·6	81·7	81·2	80·7	80·7	81·2	82·2	83·7	83·8	83·8	81·7
21	83·8	84·2	84·4	84·4	84·1	84·0	83·8	83·9	84·3	84·5	84·6	84·5	84·7	84·3	84·9	85·3	85·1	84·6	84·3	84·0	83·8	83·9	84·0	84·2	84·1	84·3
22	84·1	84·3	84·2	84·0	84·0	84·1	83·9	84·1	84·1	84·3	84·6	84·9	85·2	85·4	85·9	86·2	85·4	84·6	84·9	84·6	84·5	84·3	84·2	84·0	83·8	84·6
23	83·8	83·9	83·8	84·0	83·8	84·1	84·1	83·7	84·2	84·6	84·4	85·1	85·4	85·6	85·9	85·4	85·6	85·0	84·8	83·5	82·9	82·0	81·8	81·3	81·2	84·1
24	81·2	80·7	80·7	80·7	81·4	82·1	82·2	82·5	83·3	83·9	83·5	84·3	84·3	84·2	84·5	85·4	84·6	84·5	84·1	84·0	83·5	83·8	83·9	83·7	83·7	83·3
25	83·7	83·5	83·5	84·1	84·1	84·0	84·0	84·1	84·4	84·5	84·5	84·6	85·0	85·0	85·1	84·8	84·2	83·3	82·0	81·2	80·6	80·7	80·9	81·4	81·3	83·4
26	81·3	81·3	81·2	80·7	81·3	81·2	81·2	81·8	80·5	82·3	83·4	83·8	83·7	84·3	84·4	84·0	83·3	82·9	81·5	81·5	81·5	81·7	81·7	82·3	84·0	82·3
27	84·0	84·1	84·0	83·7	83·5	83·5	83·4	83·5	83·9	83·5	84·3	83·8	85·2	85·6	84·8	84·6	85·2	84·5	84·0	83·8	82·7	82·9	82·9	82·6	82·5	83·9
28	82·5	82·6	81·8	82·0	81·5	82·2	81·2	82·6	83·3	84·0	83·7	84·2	81·2	82·4	82·1	84·0	83·8	84·0	82·7	82·4	81·0	79·6	79·8	79·3	79·8	82·2
29	79·8	80·1	79·9	80·0	79·3	79·3	79·8	79·9	80·4	82·6	82·2	83·1	82·6	84·0	84·2	82·8	82·2	82·4	82·5	82·4	81·9	82·0	81·8	81·8	81·5	81·6
30	81·5	81·4	81·7	81·7	81·4	81·4	81·2	82·5	83·2	83·5	83·7	84·0	84·1	84·6	85·0	85·6	85·4	85·4	84·6	83·9	82·8	82·4	81·4	81·9	81·8	83·1
Mean ...	80·1	80·0	79·7	79·7	79·5	79·8	79·7	80·0	80·8	81·6	82·1	82·8	83·0	83·3	83·6	83·6	83·2	82·9	82·4	81·9	81·1	80·9	80·5	80·4	80·1	81·4
Normals 1871–1910.	81·0	80·8	80·7	80·6	80·4	80·4	80·3	80·7	81·3	82·1	82·6	83·2	83·5	83·9	83·9	84·0	83·8	83·6	83·1	82·5	81·9	81·6	81·3	81·2	81·0	82·0

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). APRIL, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	74	76	75	79	83	83	82	85	84	80	84	80	79	79	80	74	70	75	80	91	92	90	94	90	94	82·0
2	94	96	95	96	98	99	98	100	100	100	100	96	94	96	91	82	88	90	93	93	96	95	96	95	95	95·0
3	95	93	93	94	83	80	81	80	79	78	76	78	70	66	66	64	66	71	69	76	77	72	69	69	73	76·5
4	73	73	70	69	71	69	72	70	66	62	61	59	57	56	54	57	60	54	62	62	71	73	67	68	67	64·7
5	67	70	78	82	84	82	81	84	82	74	66	65	52	60	56	60	64	57	59	63	62	64	67	67	69	69·1
6	69	69	73	71	72	66	64	63	68	72	68	62	65	60	64	58	58	56	58	60	64	63	61	62	72	64·5
7	72	74	81	78	83	79	86	86	82	80	76	71	69	74	74	77	75	72	73	77	75	77	79	84	85	77·5
8	85	82	84	82	75	70	64	66	73	61	62	63	63	63	63	59	58	71	68	71	76	74	76	77	78	70·1
9	78	77	75	76	80	82	85	81	79	70	68	67	66	66	66	67	67	66	69	70	82	83	80	82	84	74·4
10	84	83	83	85	91	89	85	78	80	73	66	68	65	65	66	61	66	64	61	63	68	65	68	62	66	72·1
11	66	67	70	74	79	84	78	75	81	70	70	68	62	59	59	57	58	67	74	81	87	87	85	93	94	73·5
12	94	94	95	93	96	92	93	94	96	81	69	64	63	60	61	75	68	73	77	81	89	88	90	85	92	82·1
13	92	89	92	95	95	92	95	93	94	87	84	85	80	82	82	81	82	81	79	83	86	84	87	87	92	87·0
14	92	94	88	92	94	86	85	92	90	77	74	73	79	71	71	71	71	74	77	78	84	87	88	90	92	82·4
15	92	92	97	94	93	87	86	88	83	86	83	79	74	70	70	72	75	78	79	79	82	82	84	84	86	82·8
16	86	86	87	86	89	90	89	91	86	88	88	88	83	80	75	75	78	78	81	85	87	86	89	88	88	85·0
17	88	90	88	85	90	88	90	87	92	90	86	86	90	94	91	86	90	92	93	95	97	96	96	96	97	90·9
18	97	97	97	96	95	96	95	93	92	90	90	87	84	88	94	89	83	80	82	82	84	83	84	87	87	89·1
19	87	94	95	95	94	93	88	91	82	86	83	84	91	88	86	95	89	80	82	82	68	69	62	72	69	84·5
20	69	74	73	71	69	70	76	68	64	74	74	72	67	64	71	68	83	91	94	95	94	95	98	97	97	78·5
21	97	97	95	95	98	98	98	98	96	97	98	98	95	96	92	89	89	90	90	93	96	96	97	97	97	95·3
22	97	96	96	98	96	98	97	98	98	98	98	96	97	94	90	87	90	95	94	93	93	94	94	94	97	95·0
23	97	95	94	88	91	90	91	92	88	85	83	80	82	81	81	81	81	80	81	87	88	90	88	87	90	86·6
24	90	94	94	94	93	92	92	94	93	89	93	89	90	93	93	86	91	91	94	96	97	97	95	96	96	92·9
25	96	98	98	97	97	97	97	98	95	97	97	96	95	93	91	94	95	94	96	92	89	86	88	79	80	93·6
26	80	84	83	81	78	75	80	84	88	81	83	81	78	74	74	75	79	85	93	94	95	96	98	97	97	84·4
27	97	97	97	93	94	92	95	94	94	94	91	83	80	79	82	87	82	83	86	83	90	85	82	88	86	88·4
28	86	80	91	86	87	86	87	81	79	79	82	78	92	85	90	82	77	72	77	79	89	91	92	91	86	84·1
29	86	86	87	86	92	91	90	92	96	89	92	84	85	77	73	79	87	78	75	79	78	81	81	81	87	84·4
30	87	84	81	82	82	84	87	83	78	76	76	75	74	75	76	80	78	82	87	88	93	94	95	95	96	83·2
Mean ...	85·6	86·0	86·8	86·4	87·4	86·0	86·2	86·0	85·3	82·1	80·7	78·5	77·7	76·3	76·1	75·6	76·6	77·3	79·4	81·7	84·3	84·1	84·3	84·7	86·3	82·3
Normals 1886-1910.	85·8	86·2	86·6	86·5	86·8	86·8	86·9	86·4	84·9	81·9	79·5	77·0	76·1	75·8	75·3	75·5	75·7	77·0	78·6	80·9	83·3	84·5	85·2	85·7	85·9	82·0

METEOROLOGICAL OFFICE OBSERVATORIES. [*Price Sixpence.*]

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** APRIL, 1911.

Heights above Mean Sea Level: Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground: Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows;—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE AND TEMPERATURE. APRIL, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0155	·0131	83·7	81·0	9	·0280	·0207	81·6	76·6	17	·0123	·0081	89·2	77·3	25	·0160	·0073	87·7	80·7
2	·0153	·0135	79·5	78·2	10	·0207	·0154	79·3	76·9	18	·0088	·9972	89·9	77·1	26	·0118	·0053	87·4	81·1
3	·0239	·0152	80·3	74·6	11	·0257	·0183	82·9	76·9	19	·0072	·9983	86·4	80·2	27	·0102	·9947	87·1	79·2
4	·0243	·0176	78·7	73·7	12	·0258	·0216	87·4	72·8	20	·0275	·0072	86·9	79·7	28	·0030	**·9928**	88·4	81·3
5	·0231	·0160	74·4—	**70·3**	13	·0295	·0251	84·9	76·8	21	**·0310**	·0272	87·1	79·7	29	·9952	·9932	85·2	79·5
6	·0232	·0218	75·9	70·9	14	·0295	·0228	90·2	75·2	22	·0308	·0231	90·3	81·6	30	·0127	·9952	86·5	80·1
7	·0234	·0202	78·1	72·9	15	·0238	·0158	**90·4**	76·7	23	·0231	·0156	89·1	82·6—					
8	·0270	·0230	82·3	73·9	16	·0166	·0122	86·8	78·2	24	·0182	·0158	89·9	79·9	Mean.	—	—	84·9	77·5

TABLE II.

KEW. APRIL, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0131	·0132	·0135	·0137	·0136	·0139	·0143	·0147	·0148	·0151	·0155	·0152	·0153	·0146	·0143	·0140	·0138	·0139	·0140	·0143	·0144	·0145	·0145	·0146	·0142	·0143
2	·0142	·0144	·0139	·0137	·0136	·0136	·0138	·0140	·0142	·0143	·0144	·0144	·0142	·0142	·0138	·0138	·0137	·0138	·0140	·0143	·0146	·0148	·0150	·0152	·0153	·0142
3	·0153	·0152	·0153	·0153	·0154	·0159	·0165	·0176	·0178	·0185	·0188	·0191	·0195	·0192	·0193	·0193	·0197	·0202	·0207	·0214	·0225	·0228	·0235	·0237	·0239	·0190
4	·0239	·0240	·0239	·0235	·0233	·0231	·0234	·0236	·0235	·0231	·0231	·0229	·0219	·0221	·0210	·0202	·0204	·0197	·0198	·0195	·0192	·0190	·0188	·0183	·0177	·0216
5	·0177	·0173	·0168	·0164	·0161	·0162	·0171	·0180	·0187	·0193	·0202	·0203	·0204	·0207	·0211	·0216	·0213	·0212	·0218	·0219	·0227	·0228	·0230	·0230	·0229	·0199
6	·0229	·0223	·0221	·0219	·0218	·0221	·0225	·0227	·0226	·0227	·0228	·0225	·0223	·0222	·0221	·0219	·0222	·0220	·0223	·0223	·0229	·0230	·0231	·0229	·0228	·0224
7	·0228	·0225	·0223	·0218	·0218	·0216	·0215	·0213	·0215	·0213	·0210	·0204	·0204	·0203	·0206	·0206	·0208	·0208	·0214	·0219	·0224	·0227	·0231	·0234	·0232	·0216
8	·0232	·0231	·0231	·0234	·0235	·0236	·0237	·0243	·0245	·0246	·0245	·0243	·0241	·0237	·0235	·0232	·0232	·0233	·0239	·0245	·0255	·0260	·0264	·0268	·0270	·0242
9	·0270	·0269	·0272	·0273	·0274	·0273	·0276	·0277	·0280	·0276	·0273	·0268	·0266	·0259	·0250	·0242	·0241	·0237	·0234	·0234	·0233	·0230	·0223	·0213	·0207	·0255
10	·0207	·0200	·0192	·0186	·0186	·0182	·0181	·0181	·0179	·0175	·0172	·0170	·0161	·0160	·0159	·0155	·0155	·0159	·0161	·0166	·0174	·0178	·0177	·0179	·0183	·0174
11	·0183	·0185	·0190	·0192	·0199	·0204	·0212	·0218	·0226	·0231	·0238	·0237	·0237	·0237	·0236	·0233	·0232	·0230	·0234	·0236	·0246	·0251	·0254	·0255	·0257	·0226
12	·0257	·0254	·0249	·0251	·0247	·0252	·0253	·0253	·0251	·0248	·0248	·0243	·0234	·0233	·0225	·0222	·0219	·0216	·0218	·0222	·0231	·0240	·0246	·0250	·0251	·0240
13	·0251	·0254	·0256	·0258	·0264	·0266	·0276	·0280	·0287	·0291	·0293	·0294	·0292	·0290	·0288	·0283	·0283	·0281	·0282	·0286	·0290	·0291	·0293	·0293	·0293	·0281
14	·0293	·0291	·0291	·0287	·0284	·0284	·0284	·0282	·0280	·0274	·0269	·0264	·0258	·0254	·0248	·0240	·0234	·0231	·0230	·0230	·0232	·0235	·0236	·0237	·0238	·0259
15	·0238	·0235	·0232	·0228	·0228	·0229	·0233	·0234	·0232	·0228	·0221	·0211	·0199	·0188	·0179	·0172	·0167	·0161	·0160	·0158	·0162	·0164	·0165	·0167	·0166	·0198
16	·0166	·0160	·0160	·0151	·0148	·0147	·0146	·0149	·0148	·0147	·0146	·0143	·0140	·0140	·0138	·0129	·0125	·0122	·0123	·0124	·0127	·0128	·0130	·0127	·0123	·0139
17	·0123	·0123	·0117	·0114	·0112	·0113	·0113	·0115	·0113	·0113	·0106	·0102	·0097	·0092	·0088	·0086	·0083	·0081	·0082	·0084	·0090	·0092	·0089	·0089	·0088	·0100
18	·0088	·0086	·0083	·0078	·0074	·0075	·0071	·0068	·0065	·0062	·0057	·0045	·0033	·0022	·0013	·0000	·9991	·9984	·9982	·9978	·9974	·9973	·9981	·9983	·9986	·0030
19	·9986	·9989	·9989	·9988	·9987	·9986	·9987	·9985	·9987	·9991	·9994	·9997	·9999	·0001	·0003	·0005	·0014	·0023	·0031	·0039	·0051	·0061	·0064	·0067	·0072	·0011
20	·0072	·0078	·0082	·0088	·0101	·0110	·0123	·0138	·0147	·0156	·0166	·0174	·0181	·0187	·0195	·0203	·0212	·0223	·0234	·0244	·0256	·0263	·0268	·0273	·0274	·0178
21	·0274	·0276	·0274	·0273	·0275	·0273	·0272	·0277	·0283	·0289	·0293	·0293	·0296	·0297	·0301	·0301	·0301	·0301	·0303	·0307	·0309	·0309	·0309	·0308	·0308	·0292
22	·0308	·0305	·0303	·0301	·0298	·0295	·0295	·0300	·0294	·0288	·0285	·0276	·0268	·0264	·0258	·0251	·0249	·0247	·0247	·0244	·0247	·0242	·0238	·0234	·0231	·0271
23	·0231	·0223	·0219	·0214	·0207	·0206	·0205	·0202	·0192	·0193	·0190	·0183	·0177	·0174	·0169	·0166	·0164	·0160	·0159	·0160	·0167	·0170	·0171	·0168	·0167	·0185
24	·0167	·0164	·0164	·0166	·0166	·0167	·0170	·0176	·0176	·0180	·0180	·0175	·0173	·0172	·0167	·0163	·0165	·0161	·0159	·0161	·0165	·0164	·0163	·0161	·0160	·0168
25	·0160	·0153	·0148	·0143	·0139	·0135	·0135	·0137	·0135	·0133	·0132	·0126	·0118	·0112	·0110	·0107	·0104	·0099	·0096	·0092	·0092	·0087	·0080	·0078	·0073	·0117
26	·0073	·0067	·0061	·0059	·0056	·0053	·0057	·0058	·0058	·0064	·0072	·0077	·0082	·0084	·0088	·0092	·0099	·0102	·0107	·0109	·0118	·0116	·0113	·0110	·0102	·0083
27	·0102	·0090	·0081	·0077	·0063	·0048	·0031	·0014	·9996	·9985	·9975	·9969	·9966	·9966	·9961	·9956	·9953	·9951	·9947	·9950	·9957	·9959	·9958	·9961	·9967	·9994
28	·9967	·9972	·9974	·9980	·9982	·9989	·0000	·0006	·0011	·0017	·0026	·0028	·0028	·0027	·0021	·0016	·0007	·0003	·9994	·9987	·9973	·9956	·9928	·9931	·9935	·9992
29	·9935	·9934	·9937	·9938	·9935	·9933	·9935	·9939	·9938	·9943	·9945	·9945	·9942	·9946	·9943	·9942	·9943	·9946	·9947	·9947	·9950	·9950	·9951	·9951	·9952	·9942
30	·9952	·9952	·9956	·9958	·9963	·9971	·9982	·9991	·0001	·0006	·0018	·0024	·0034	·0042	·0050	·0053	·0059	·0066	·0079	·0089	·0100	·0107	·0114	·0119	·0127	·0032
Mean...	1·0 1611	1·0 1593	1·0 1580	1·0 1567	1·0 1560	1·0 1564	1·0 1588	1·0 1614	1·0 1618	1·0 1626	1·0 1634	1·0 1612	1·0 1587	1·0 1572	1·0 1549	1·0 1521	1·0 1517	1·0 1511	1·0 1529	1·0 1549	1·0 1595	1·0 1607	1·0 1608	1·0 1611	1·0 1610	1·0 1580
Normals 1871–1910.	1·0 1250	1·0 1232	1·0 1219	1·0 1206	1·0 1196	1·0 1203	1·0 1222	1·0 1239	1·0 1250	1·0 1254	1·0 1250	1·0 1239	1·0 1219	1·0 1203	1·0 1176	1·0 1155	1·0 1148	1·0 1152	1·0 1169	1·0 1196	1·0 1232	1·0 1250	1·0 1257	1·0 1257	1·0 1254	1·0 1216

(21339—24.) Wt. 41466—310. 375. 10/11. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	5	1·8	5	1·8	5	1·8	3	2·7	3	2·7	3	2·7	3	2·2	6	2·7	4	3·1	2	3·1	2	2·2	2	2·2
2	2	1·8	—	1·3	—	0·9	—	1·3	—	1·3	—	1·3	—	1·3	2	1·8	—	0·5	—	0·5	—	0·5	—	0·5
3	2	1·8	—	1·3	2	1·8	2	3·1	2	3·6	2	4·0	32	6·7	1	6·7	2	6·7	1	7·2	2	8·5	3	8·1
4	32	5·4	1	4·5	32	4·5	32	6·3	32	4·9	32	4·9	32	5·8	1	6·7	1	6·7	1	6·7	32	4·9	32	6·3
5	32	4·5	32	3·1	1	4·0	1	4·0	1	5·4	4	7·6	4	8·5	3	9·4	4	11·6	5	12·1	5	9·8	3	11·6
6	2	7·6	2	8·1	2	7·2	3	8·5	3	6·7	3	8·1	4	8·1	3	9·8	4	10·3	5	11·6	6	12·1	5	12·5
7	4	5·8	4	4·9	3	4·5	3	4·5	3	4·5	3	4·5	4	4·5	4	4·0	3	5·8	3	1·8	5	6·7	7	6·7
8	5	1·8	1	4·5	1	3·1	1	2·2	1	3·1	1	3·1	1	4·0	1	4·5	2	5·4	1	7·2	32	4·9	2	5·8
9	1	4·5	1	4·5	1	5·4	1	5·4	2	4·5	2	4·9	1	4·5	2	2·7	1	3·6	32	4·5	2	3·6	32	4·5
10	32	2·2	31	3·6	32	5·8	32	5·8	32	5·4	32	8·9	32	5·4	32	6·3	1	7·6	32	8·5	1	7·2	1	10·3
11	3	8·1	3	8·1	3	6·7	3	8·1	4	6·7	4	5·4	4	6·7	4	6·7	4	6·7	4	7·2	4	6·3	4	8·5
12	6	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	17	1·8	26	3·1	30	2·7	23	3·1
13	1	1·8	1	3·1	—	0·9	2	2·2	4	2·2	4	3·1	2	3·6	4	4·9	4	4·0	1	4·9	3	4·5	2	4·0
14	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	11	1·8	20	1·8	21	2·7	21	3·1	20	4·5	22	3·1
15	21	1·8	—	1·3	—	1·3	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	—	1·3	19	3·1	20	5·4	21	5·4
16	21	2·7	21	3·6	20	3·1	20	3·1	20	3·1	20	4·0	21	3·6	20	3·1	24	5·4	23	5·4	24	5·4	24	5·8
17	21	1·8	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	21	1·8	22	3·1	20	3·1
18	21	2·2	19	1·8	—	0·9	—	0·9	19	2·2	18	3·1	17	5·4	17	5·8	17	6·7	16	7·2	17	7·6	16	8·5
19	16	6·7	18	5·8	17	6·7	17	6·7	17	8·1	17	8·5	17	10·3	18	10·3	17	11·2	18	12·5	17	10·7	18	13·0
20	18	4·9	18	5·4	18	4·9	19	4·5	19	4·9	19	4·9	20	4·9	23	5·4	23	5·8	24	5·8	23	6·7	24	5·4
21	20	3·1	18	3·6	18	4·5	18	4·9	18	6·7	18	8·1	19	9·4	18	8·5	19	10·7	19	8·1	20	8·5	19	9·4
22	20	4·9	21	3·1	20	4·5	20	3·1	20	2·7	20	4·5	20	5·4	19	6·3	19	8·1	20	7·2	20	6·7	20	7·6
23	19	3·6	19	4·5	21	4·0	20	4·0	21	4·0	20	4·5	20	4·5	19	6·7	19	6·7	20	6·3	21	6·3	22	6·3
24	22	3·6	22	2·7	22	3·1	22	2·2	22	1·8	22	2·2	24	3·1	25	3·6	26	4·0	25	4·5	27	4·0	25	4·5
25	22	2·7	22	1·8	22	2·2	22	2·7	22	3·1	21	3·1	21	4·9	20	6·3	22	5·8	21	6·3	20	5·4	20	5·8
26	19	5·8	20	5·8	20	5·4	20	5·4	20	5·4	20	4·9	20	5·4	20	5·4	26	5·4	26	7·2	26	6·7	26	8·1
27	21	5·4	20	4·9	22	4·5	20	5·4	19	3·1	17	3·1	17	4·5	17	6·3	18	6·7	20	6·7	20	7·6	23	6·3
28	22	5·4	23	5·8	23	7·6	23	6·7	24	6·7	23	6·7	23	7·2	24	7·6	24	5·8	23	6·3	24	5·4	24	8·1
29	22	4·5	22	4·0	21	4·5	21	4·0	21	4·0	21	4·0	22	3·6	21	5·4	22	5·8	21	6·3	25	4·5	21	8·1
30	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	29	1·8	31	2·7	32	3·6	32	3·1	31	4·5	30	3·1	32	3·6
Mean ...	—	3·7	—	3·6	—	3·6	—	3·7	—	3·8	—	4·1	—	4·7	—	5·2	—	5·7	—	6·0	—	5·9	—	6·5
Normals, 1881–1910.	—	2·7	—	2·7	—	2·6	—	2·6	—	2·6	—	2·8	—	3·3	—	3·8	—	4·3	—	4·7	—	5·0	—	5·2

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second,

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. APRIL, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02	1·02	0·25	2·29
2	0·25	2·54	2·79	2·28	2·03	1·02	0·76	2·79	2·79	0·76	1·27	1·78	2·03	2·03	0·25	—	—	—	—	—	—	—	—	—	25·37
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	0·50
5	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	0·76
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	0·25	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
10	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·51
26	—	0·25	0·25	—	—	—	—	0·76	0·25	—	—	—	—	—	—	0·76	0·25	—	0·25	—	—	—	—	—	6·35
27	—	1·02	1·27	1·02	0·76	0·51	0·51	—	—	—	—	—	—	—	—	2·03	0·51	—	—	3·81	1·27	—	—	—	7·62
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	—	—	—	—	—	—	1·27
29	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	0·25	3·81	4·56	3·30	2·79	2·04	1·27	3·55	3·29	1·52	2·03	2·03	2·28	2·03	0·50	2·79	1·27	0·25	0·25	0·25	3·81	2·29	1·02	0·50	47·68
Normals 1871–1910.	1·52	1·52	1·52	1·78	1·78	1·78	2·03	2·03	1·78	2·03	1·52	1·52	2·03	2·03	1·78	2·28	2·03	1·78	1·52	1·52	1·52	1·52	1·52	1·52	41·86

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

14 days

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. APRIL, 1911.

13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) D.	Mean. (Day.) V.	
2	2·7	2	2·7	2	2·7	2	4·0	2	3·1	2	3·1	2	2·7	2	3·1	2	2·7	2	3·1	2	1·8	2	1·8	2·6	1·8	1
—	0·9	—	0·9	—	0·9	2	1·8	—	1·3	—	1·3	2	1·8	—	0·9	—	0·9	—	0·9	—	1·3	2	1·8	2	1·8	2
2	8·5	1	8·1	2	7·6	1	6·3	1	7·2	1	8·1	1	5·4	2	5·4	1	4·5	1	4·0	1	3·6	32	4·0	5·5	3·6	3
3	7·2	32	5·4	1	7·2	1	6·7	32	5·4	32	5·4	1	4·5	32	4·0	1	4·5	32	4·5	32	4·0	1	4·5	5·5	4·5	4
5	9·4	4	9·4	4	9·8	5	9·4	4	11·6	4	10·3	3	9·4	4	9·4	3	8·5	3	8·9	2	8·1	2	8·1	8·5	5·5	5
5	10·3	3	10·3	5	10·3	5	10·3	5	9·4	5	8·1	4	8·1	4	8·1	4	7·2	3	7·2	4	8·1	4	6·7	8·9	6·7	6
7	8·1	8	8·9	8	7·6	7	8·5	7	7·2	6	6·7	5	5·4	5	3·1	5	1·8	5	1·8	—	0·9	—	0·9	5·0	6·7	7
32	6·3	1	6·3	1	7·2	2	8·1	1	8·1	3	8·1	3	5·4	2	7·2	2	5·4	3	4·5	3	4·5	3	4·0	5·2	8·1	8
32	4·5	32	5·4	1	7·2	1	7·6	2	6·3	2	5·4	2	5·4	32	4·9	2	3·1	32	2·2	32	1·8	32	2·7	4·5	4·5	9
1	9·8	1	9·4	1	11·2	1	9·4	1	10·3	1	8·5	1	8·9	1	8·9	2	9·4	2	8·5	2	8·1	2	8·9	7·7	10·3	10
5	7·6	5	7·6	6	5·4	5	6·7	6	6·3	5	5·8	6	5·4	7	3·1	7	4·0	6	3·1	6	2·2	5	4·0	6·1	8·5	11
28	2·7	26	1·8	25	2·7	32	2·2	—	0·9	—	1·3	28	1·8	30	4·0	5	5·4	5	4·5	5	2·2	5	1·8	2·1	3·1	12
31	3·6	1	4·0	2	4·5	2	4·0	2	3·6	1	4·0	1	3·1	8	4·9	11	3·1	11	1·8	11	1·8	11	1·8	3·3	3·1	13
26	2·7	27	2·2	26	2·2	28	2·2	27	3·1	27	1·8	21	3·6	21	3·1	21	3·1	21	2·7	21	1·8	—	1·3	2·2	1·8	14
20	6·7	25	6·3	21	6·3	24	6·7	23	5·8	20	4·9	20	4·9	21	4·0	24	4·0	21	3·1	24	4·0	24	2·2	3·5	3·5	15
24	5·4	22	5·4	24	4·9	23	4·5	23	3·1	23	2·2	27	1·8	—	1·3	27	1·8	27	1·8	—	0·9	—	1·3	3·4	1·8	16
21	3·1	16	3·1	20	4·5	21	4·5	19	4·9	20	5·4	19	5·4	21	4·5	20	3·1	19	2·2	19	1·8	19	4·5	2·7	2·7	17
16	8·1	14	9·4	15	8·1	16	7·6	17	7·2	17	8·1	16	5·8	16	8·1	17	9·8	19	9·8	18	5·4	17	4·5	6·0	4·5	18
17	10·7	17	10·7	18	11·6	17	10·3	17	9·4	18	10·3	17	8·1	18	5·8	17	5·4	18	5·4	18	4·9	18	4·5	8·7	4·9	19
24	5·8	23	7·6	23	6·3	23	5·8	24	5·4	23	4·5	24	3·1	21	3·1	21	2·7	21	3·6	19	3·1	20	3·6	4·9	3·6	20
20	8·1	19	8·1	20	7·2	20	6·7	20	7·2	21	5·8	20	6·7	20	5·4	20	6·7	20	6·7	20	5·4	20	4·0	6·8	4·0	21
19	8·1	19	8·9	20	9·4	20	8·1	20	8·5	20	5·8	20	5·4	20	4·5	20	4·9	20	3·1	20	3·1	20	3·1	5·7	5·7	22
22	6·7	22	6·7	22	6·7	24	5·8	23	5·4	24	5·8	24	5·4	24	4·5	25	5·8	24	5·4	22	3·1	22	4·0	5·3	5·3	23
25	4·9	24	4·5	23	5·4	24	4·9	26	4·5	24	4·5	24	2·7	24	2·2	22	2·2	22	1·8	22	2·2	—	1·3	3·4	3·4	24
20	7·6	20	8·1	20	8·1	21	7·2	20	7·2	20	6·3	20	6·7	20	6·3	20	4·5	20	6·3	20	5·8	20	5·4	5·4	5·8	25
26	7·6	26	8·5	25	8·9	26	8·1	25	7·2	24	4·9	23	4·9	23	4·5	23	3·6	23	3·1	22	3·1	22	3·1	5·8	8·1	26
24	7·2	23	8·1	21	8·1	24	6·7	22	8·1	23	6·7	23	8·5	24	6·7	23	7·6	23	5·8	23	5·4	23	5·8	6·2	6·3	27
23	8·1	23	8·1	24	8·1	18	7·2	19	6·3	20	7·6	19	8·1	17	4·9	17	4·5	17	7·6	20	5·4	24	4·9	6·7	6·7	28
22	7·6	20	7·6	20	7·2	21	8·1	22	5·4	20	4·5	20	4·5	20	4·5	20	1·8	—	0·9	20	1·8	20	1·8	4·8	4·8	29
30	3·1	31	4·0	31	2·7	30	2·2	28	3·6	24	2·2	—	1·3	—	0·0	—	0·9	—	0·9	—	1·3	24	2·2	2·2	3·6	30
—	6·4	—	6·6	—	6·7	—	6·4	—	6·1	—	5·6	—	5·1	—	4·7	—	4·4	—	4·2	—	3·6	—	3·6	5·0		Normals 1881–1910.
—	5·2	—	5·2	—	5·2	—	5·1	—	4·8	—	4·3	—	3·8	—	3·4	—	3·3	—	3·0	—	2·9	—	2·7	3·8		

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. APRIL, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	·5	—	—	—	—	—	—	—	0·5	Dull and misty most of day; ● at night.
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	● till 15h., remaining overcast.
3	—	—	—	—	—	—	—	—	·6	1·0	·9	·7	·7	·7	·6	—	—	5·2	A.M. dull; P.M. fair.
4	—	—	·1	1·0	1·0	·9	·8	·4	·2	—	·4	·1	—	—	—	—	—	4·9	✳ early, then fine to fair.
5	—	—	—	·3	·9	·6	·2	·2	·4	·7	·5	·3	·7	·4	·1	—	—	5·3	✳ and bright intervals; ⸗ from N.E.; cold.
6	—	—	—	·6	—	·8	·5	·8	·1	·6	·5	·1	·2	—	—	—	—	4·2	Squally day, with bright intervals.
7	—	—	—	·4	—	—	—	·5	·4	·6	·8	·4	·7	·6	—	—	—	4·4	Dull at first, with ●, and ✳; clearing in
8	—	—	—	—	—	—	—	—	—	—	—	·2	·8	·5	—	—	—	1·5	Overcast till 15h.; fair later. [afternoon.
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
10	—	—	—	—	—	·2	·2	·3	·4	—	—	—	—	—	—	—	—	1·1	Fair to dull; Nly. wind.
11	—	—	—	·4	—	—	—	—	·3	·1	—	—	—	·4	·1	—	—	1·3	Cloudy and misty.
12	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	·8	·2	—	—	—	—	—	6·6	≋ early; fine; ⊕ about 15h.
13	—	—	—	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	—	8·8	Dull at first; bright later.
14	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	·3	—	—	10·3	Very fine all day.
15	—	—	—	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	10·3	Bright, sunny day.
16	—	—	·6	·1	·2	·7	·3	—	·1	·4	1·0	·5	·1	—	·5	—	—	4·5	Fine at intervals; ⊕ about 16h. 45m.
17	—	—	—	·7	—	·3	1·0	·9	·9	·7	·4	·2	·2	—	—	—	—	5·3	Cloudy to bright.
18	—	—	—	—	·5	·5	·3	·9	·9	·7	·4	—	—	—	—	—	—	4·2	Fine till 14h., then dull; ⸗ at 21h.–22h.
19	—	—	·1	·9	1·0	1·0	1·0	1·0	·6	·6	·8	·8	·8	·8	·7	—	—	10·1	Fine, but squally.
20	—	—	·3	·9	·6	·8	·9	·8	·6	·8	·9	·8	·9	·9	·4	—	—	9·6	Bright, with clear atmosphere.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ⸗ from S.W. occasionally.
22	—	—	—	·4	·4	·8	·8	1·0	·9	·8	·8	·7	·4	·2	—	—	—	7·2	Fine.
23	—	—	—	·3	·9	·1	—	·1	·1	—	—	·1	·2	·5	·4	—	—	2·7	Fair during day; overcast in evening.
24	—	—	—	·4	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	—	11·1	Fine; ⊕ at 7h. and 13h. 15m.
25	—	—	—	—	—	—	—	·4	·6	—	—	·1	—	—	—	—	—	1·1	Dull most of day.
26	—	—	—	—	—	·2	1·0	1·0	·9	·8	1·0	1·0	1·0	·9	1·0	·3	—	9·1	●, at first, then fine and clear.
27	—	—	—	—	—	—	·1	·1	—	·1	·1	·2	·2	·2	·3	—	—	1·3	Rather cloudy, with occasional ●.
28	—	—	·2	·3	·1	—	—	—	·5	1·0	1·0	·9	·7	—	·2	—	—	4·9	●, at 16h. and 21h., but generally fair.
29	—	·3	·3	—	·3	·5	·3	·7	·9	·6	·3	·8	·8	·1	—	—	—	5·9	Bright to cloudy, with ●.
30	—	—	·8	·8	·9	·7	·1	·3	·3	·8	·6	·8	·7	—	·2	—	—	7·0	Fine most of day.
	—	0·3	2·4	7·7	10·0	12·1	12·4	14·4	14·7	15·8	15·0	12·9	13·1	10·2	7·1	0·3	—	148·4	Total.
	—	0·22	3·76	8·97	11·50	13·01	14·19	14·81	14·62	14·52	14·25	13·58	12·61	10·13	5·05	0·38	—	151·59	Normals 1881–1910.

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TABLE VI.

TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. APRIL, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	80°·2	80°·3	80°·2	80°·3	80°·1	79°·9	79°·3	79°·1	80°·1	80°·7	80°·7	81°·5	81°·8	82°·7	83°·1	83°·6	83°·1	82°·4	81°·7	81°·3	81°·1	80°·9	80°·2	79°·9	79°·5	81°·0
2	79·5	79·2	79·0	79·0	78·7	78·7	78·5	78·5	78·4	78·5	78·6	78·9	79·0	79·3	79·3	79·1	78·7	79·1	79·1	79·1	79·0	78·9	78·7	78·8	78·6	78·9
3	78·6	78·6	78·5	78·6	78·5	78·0	77·8	77·5	77·4	77·2	77·1	77·8	78·2	79·5	79·6	79·6	79·1	79·0	78·4	77·4	76·8	75·9	75·4	75·3	74·6	77·8
4	74·6	74·8	74·0	73·9	73·9	73·9	73·7	74·2	75·1	75·8	77·0	76·5	77·9	75·6	77·0	78·6	76·9	76·9	75·3	75·5	74·9	75·0	74·4	74·2	74·3	75·4
5	74·3	74·4	73·8	73·8	73·7	73·5	72·4	72·8	72·8	73·1	72·5	73·6	73·6	73·6	70·7	71·3	72·4	72·4	71·9	71·4	71·2	71·4	71·2	71·0	71·1	72·5
6	71·1	71·2	71·0	71·3	71·4	71·5	71·7	72·3	72·6	73·4	73·9	74·3	74·7	75·0	75·0	75·7	75·1	74·9	74·7	74·7	74·6	74·6	74·6	74·7	74·6	73·6
7	74·6	74·3	73·8	73·1	72·9	73·1	73·4	74·5	75·6	75·9	75·3	77·3	76·5	77·9	77·8	77·1	76·6	77·1	76·8	76·5	76·3	75·4	75·1	74·7	73·9	75·5
8	73·9	74·3	75·2	76·0	76·0	76·0	76·2	76·5	77·2	78·2	79·3	80·0	80·3	81·4	81·4	81·9	81·7	81·7	81·1	79·9	78·4	77·4	76·4	76·2	76·5	78·2
9	76·5	77·3	77·5	77·6	77·4	77·4	77·5	77·8	78·6	79·3	79·5	80·4	80·2	81·2	81·2	81·3	80·2	80·4	80·4	80·0	79·9	79·7	79·6	79·2	79·0	79·2
10	79·0	79·1	79·0	79·0	77·4	77·4	76·9	77·3	77·6	78·1	77·9	77·5	79·1	79·0	79·0	79·3	79·2	79·0	78·8	78·4	78·1	78·0	77·8	77·8	77·8	78·3
11	77·8	78·1	78·1	78·1	78·2	78·1	78·1	78·5	78·8	79·2	79·6	80·3	81·0	81·8	81·9	82·3	82·6	82·6	82·2	81·3	79·9	79·6	78·5	77·6	76·9	79·7
12	76·9	76·0	74·7	73·8	73·5	73·5	74·0	74·9	76·0	78·0	79·3	81·3	82·8	84·8	86·2	*87·4*	87·4	87·0	86·4	85·6	84·5	84·3	83·3	82·1	81·3	80·7
13	81·3	80·4	79·9	79·1	78·7	78·0	77·4	78·2	79·0	79·6	80·1	81·0	82·0	83·0	83·8	84·2	84·7	84·7	84·3	83·0	81·0	79·5	78·2	77·6	76·8	80·7
14	76·8	76·5	75·8	75·5	75·8	75·8	75·2	76·7	78·2	80·8	82·6	84·7	86·1	87·3	88·5	89·3	89·8	90·2	89·3	86·5	84·6	83·1	82·0	80·9	80·2	82·2
15	80·2	79·6	78·9	78·1	77·4	77·1	77·1	78·6	80·0	82·4	84·7	86·4	87·6	88·9	89·6	90·2	90·3	90·2	88·5	86·3	84·8	83·5	81·8	80·3	79·5	83·4
16	79·5	78·9	78·4	78·4	78·2	78·4	79·1	80·8	81·8	83·4	84·2	84·8	85·0	85·1	86·2	86·4	86·5	86·3	86·4	84·7	83·4	82·1	81·2	80·3	78·9	82·5
17	78·9	79·1	78·5	77·9	77·8	77·8	77·6	79·3	81·1	82·8	84·2	85·2	86·4	87·6	88·1	88·6	88·2	87·6	86·0	84·5	83·4	82·7	81·3	80·2	80·3	82·7
18	80·3	79·5	78·9	78·5	77·6	78·8	80·2	82·0	83·4	84·1	84·9	87·4	88·4	88·8	89·7	89·1	89·1	89·1	87·9	87·1	86·7	86·9	85·4	84·2	83·1	84·6
19	83·1	82·8	82·1	81·7	81·4	81·4	82·1	83·1	83·8	85·4	84·8	85·9	85·4	85·4	86·2	86·0	84·6	85·0	84·9	83·1	81·8	81·2	80·7	80·7	80·2	83·4
20	80·2	79·9	80·1	80·4	80·6	80·8	81·0	82·1	82·4	83·2	83·6	84·3	84·7	85·1	86·0	86·4	86·3	86·4	86·0	84·1	83·2	83·0	82·0	81·3	80·8	83·1
21	80·8	80·2	79·8	79·9	80·4	81·5	82·0	82·9	83·2	83·4	83·4	84·6	85·2	85·8	85·9	86·3	86·8	86·7	86·0	85·0	84·6	84·3	84·1	84·0	83·7	83·7
22	83·7	83·2	82·5	82·1	81·9	81·7	81·9	83·1	84·2	85·7	86·5	88·4	89·2	90·1	90·0	89·7	89·2	88·7	87·1	86·3	85·1	84·8	84·3	84·2	84·2	85·6
23	84·2	84·2	84·1	84·1	84·0	83·7	83·7	84·9	86·2	86·2	86·7	87·6	88·2	88·6	88·7	88·2	87·9	88·7	88·2	87·0	85·3	84·8	84·2	83·4	82·6	85·9
24	82·6	82·0	81·3	81·2	80·7	80·0	80·3	81·4	82·4	83·9	84·2	85·6	86·9	88·1	89·1	89·5	89·3	89·3	88·9	87·2	85·7	84·8	83·9	83·5	82·3	84·7
25	82·3	81·8	81·4	81·0	80·7	80·7	81·3	81·9	83·2	84·2	84·6	86·2	86·8	87·7	87·5	86·9	85·8	85·6	84·8	84·2	84·1	84·1	83·8	83·8	83·7	84·0
26	83·7	83·4	83·3	83·3	83·2	83·4	83·5	83·8	84·1	83·3	84·5	85·2	85·6	*86·1*	*86·6*	*87·3*	86·8	86·8	86·0	84·3	83·0	82·1	81·3	81·3	81·3	84·2
27	81·3	81·6	81·2	80·2	80·0	79·7	79·3	80·2	81·4	82·8	84·7	85·9	86·0	86·4	86·7	86·5	85·2	83·8	85·2	84·3	83·9	83·5	83·2	83·5	83·0	83·2
28	83·0	83·1	83·4	83·2	82·8	83·0	83·0	83·6	84·0	84·1	84·2	85·1	86·2	87·1	87·4	87·6	88·0	85·1	84·7	84·0	83·0	82·8	82·1	82·5	81·3	84·3
29	81·3	80·6	80·0	80·0	79·6	79·6	80·2	80·8	81·3	81·4	82·9	82·4	83·7	83·7	84·7	84·3	84·1	82·4	82·3	82·2	81·4	81·3	81·0	80·6	80·2	81·7
30	80·2	80·4	80·2	80·2	80·2	80·2	80·3	80·8	81·4	82·4	82·6	83·9	84·5	85·2	85·7	86·2	86·3	85·6	83·2	82·9	82·6	82·5	82·1	81·7	81·0	82·6
Mean ...	79·3	79·2	78·8	78·6	78·4	78·4	78·5	79·3	80·0	80·9	81·5	82·5	83·1	83·7	84·1	84·3	84·1	83·8	83·2	82·3	81·4	80·9	80·3	79·9	79·4	81·1
Normals 1871–1910.	79·3	79·1	78·8	78·5	78·3	78·2	78·3	79·2	80·2	81·4	82·3	83·3	83·9	84·5	84·8	84·9	84·6	84·2	83·5	82·4	81·5	80·9	80·3	79·9	79·4	81·4

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TABLE VII.

RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). APRIL, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	93	93	92	91	92	90	92	90	87	82	84	81	80	76	77	75	75	78	81	81	82	83	88	92	92	84·8
2	92	91	92	91	93	94	94	92	91	93	92	93	90	92	92	93	90	87	89	86	88	86	87	86	88	90·5
3	88	89	88	88	82	74	74	76	73	69	68	56	56	48	49	51	55	56	53	55	58	65	67	66	69	66·5
4	69	69	71	74	75	77	79	73	73	72	72	76	64	83	75	60	69	71	84	79	82	77	81	80	80	74·6
5	80	81	86	85	87	87	81	72	63	54	52	52	52	54	82	63	46	47	50	55	62	56	58	66	66	65·2
6	66	62	63	63	68	66	65	56	49	48	51	49	51	54	58	61	61	62	65	65	63	66	64	59	61	59·6
7	61	62	67	67	66	66	69	69	72	76	75	83	78	64	57	60	58	57	60	61	62	65	66	70	77	66·7
8	77	85	90	89	89	88	83	82	82	81	76	72	67	68	66	68	64	64	66	70	80	82	84	85	86	77·6
9	86	85	85	84	83	81	79	81	78	78	80	80	86	77	74	72	80	80	77	80	76	78	77	82	84	79·9
10	84	85	85	80	73	74	81	76	74	73	77	83	70	65	70	69	68	70	72	74	73	73	73	73	74	74·6
11	74	76	77	78	77	80	80	79	77	76	72	69	69	63	62	62	57	58	59	63	73	69	72	67	72	70·3
12	72	81	83	85	85	87	88	88	86	77	71	66	58	50	48	*47*	53	57	58	61	66	61	63	69	73	69·2
13	73	79	75	80	77	78	79	78	72	70	67	63	64	60	57	57	53	53	54	59	71	74	77	77	85	68·9
14	85	83	86	86	90	89	90	86	84	79	71	70	64	59	55	54	54	51	51	71	79	83	87	90	90	75·0
15	90	91	90	93	94	92	93	91	85	72	66	59	56	50	44	40	38	39	56	66	71	74	74	77	80	70·7
16	80	83	87	87	89	89	88	85	80	71	64	56	54	56	55	52	53	54	55	61	69	73	76	79	84	70·8
17	84	82	86	91	89	87	90	84	82	76	67	61	60	55	56	52	49	57	61	67	69	71	78	81	81	72·2
18	81	85	88	91	95	89	88	89	82	80	76	68	64	58	54	58	58	58	58	61	63	60	70	77	81	73·0
19	81	78	76	77	77	76	76	72	68	64	60	59	56	58	55	56	61	59	59	65	70	75	77	78	81	68·0
20	81	83	84	83	85	87	84	78	72	64	58	50	51	43	47	48	44	45	47	52	62	68	74	75	77	65·2
21	77	80	85	88	86	79	76	74	72	77	84	80	79	80	80	79	76	77	79	83	86	86	87	87	88	80·9
22	88	86	84	87	88	88	84	80	71	61	53	49	44	40	41	46	47	53	57	58	65	73	79	82	85	66·8
23	85	87	88	88	90	91	92	86	78	78	77	69	61	62	61	64	67	59	58	61	67	65	66	71	75	73·6
24	75	78	85	86	90	91	88	85	76	70	61	58	51	47	48	50	47	50	50	55	60	68	71	77	80	67·5
25	80	81	84	84	86	86	84	82	80	73	71	64	62	62	61	62	67	68	74	78	82	83	86	85	86	76·2
26	86	89	90	91	92	90	90	90	87	89	61	56	48	*46*	*44*	*42*	39	46	53	60	58	61	67	74	76	68·5
27	76	74	85	89	89	90	92	95	94	92	88	85	80	70	65	73	75	83	72	69	73	75	77	81	80	81·0
28	80	80	80	80	80	78	78	74	71	71	68	62	57	52	45	47	61	76	72	77	80	88	89	91	86	72·5
29	86	85	88	88	88	86	86	85	77	77	68	78	66	63	70	70	64	72	81	83	88	89	91	91	92	80·1
30	92	92	94	94	93	92	90	81	78	75	73	68	63	60	57	58	58	59	83	76	86	84	85	89	84	78·2
Mean ...	80·7	81·8	83·8	84·6	84·9	84·1	83·8	81·0	77·1	73·9	70·1	67·2	63·4	60·5	60·2	59·6	59·6	61·5	64·5	67·7	72·1	73·7	76·4	78·6	80·4	72·9
Normals 1886–1910.	83·7	84·4	85·7	86·1	87·1	86·9	86·8	83·8	80·1	75·3	70·4	66·6	63·7	62·3	61·0	61·0	61·3	62·9	65·7	69·9	74·3	77·4	79·9	81·9	83·2	75·0

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** APRIL, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level &c., *see* Preface.)

ESKDALEMUIR.

TABLE I.

DAILY EXTREMES of PRESSURE and TEMPERATURE. APRIL, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9888	·9863	82·7	73·0	9	·0038	·9976	84·2	75·2	17	·9813	·9739	80·5	73·4*	25	·9806	·9716	81·8	79·9
2	·9901	·9859	81·5	71·4	10	·9990	·9966	77·8	74·1	18	·9742	·9614	82·5	78·7	26	·9759	·9706	83·0	76·8
3	·0016	·9901	78·0	70·8	11	·0014	·9975	81·8	72·6	19	·9671	·9600	82·0	76·3	27	·9742	·9594	80·4	76·1
4	·0016	·9959	76·2	**69·7**	12	·9997	·9949	85·2	72·7	20	·9894	·9671	80·8	75·1	28	·9680	·9612	83·3	74·0
5	·0038	·9959	75·9	70·0	13	·0013	·9980	**85·9**	74·1	21	·9919	·9845	83·8	76·4	29	·9676	**·9592**	82·9	75·7
6	·0033	·0006	79·4	70·6	14	·9980	·9895	84·4	74·5	22	·9907	·9879	81·9	79·5	30	·9832	·9676	81·3	74·7
7	·0008	·9977	79·5	75·3	15	·9896	·9779	82·0	78·3	23	·9879	·9787	83·0	79·2					
8	**·0041**	·9999	79·7	75·4	16	·9813	·9767	81·5	74·6*	24	·9842	·9806	81·8	79·3	Mean	—	—	81·5	74·9

* Eye observation.

ESKDALEMUIR.

TABLE II.

APRIL, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS. OR MEGADYNES PER SQUARE CENTIMETRE), First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9880	·9880	·9880	·9878	·9876	·9876	·9876	·9880	·9883	·9884	·9888	·9884	·9882	·9878	·9872	·9869	·9866	·9864	·9867	·9871	·9874	·9873	·9873	·9871	·9871	·9876
2	·9871	·9869	·9868	·9865	·9863	·9861	·9862	·9865	·9866	·9865	·9864	·9864	·9865	·9868	·9869	·9868	·9868	·9867	·9870	·9876	·9879	·9884	·9892	·9896	·9901	·9871
3	·9901	·9906	·9911	·9919	·9922	·9933	·9940	·9947	·9954	·9962	·9965	·9965	·9970	·9971	·9972	·9974	·9979	·9986	·9992	·0003	·0008	·0012	·0015	·0014	·0016	·9966
4	·0016	·0011	·0010	·0009	·0005	·0003	·0004	·0006	·0006	·0003	·0000	·9997	·9993	·9986	·9985	·9979	·9977	·9974	·9975	·9974	·9973	·9972	·9965	·9959	·9959	·9990
5	·9959	·9962	·9964	·9964	·9966	·9968	·9977	·9982	·9990	·9997	·9998	·0006	·0007	·0010	·0012	·0014	·0015	·0017	·0023	·0029	·0034	·0036	·0037	·0034	·0033	·0002
6	·0033	·0032	·0028	·0024	·0023	·0023	·0021	·0025	·0025	·0027	·0022	·0017	·0015	·0013	·0014	·0011	·0009	·0008	·0010	·0011	·0013	·0014	·0014	·0010	·0008	·0018
7	·0008	·9999	·9992	·9984	·9983	·9981	·9981	·9980	·9979	·9980	·9981	·9981	·9984	·9981	·9987	·9986	·9985	·9986	·9990	·9994	·9994	·9997	·9999	·0002	·0002	·9988
8	·0002	·0004	·0006	·0004	·0004	·0007	·0009	·0012	·0015	·0018	·0027	·0026	·0025	·0027	·0027	·0027	·0027	·0027	·0032	·0033	·0038	·0037	·0040	·0040	·0037	·0022
9	·0037	·0035	·0037	·0035	·0035	·0035	·0034	·0036	·0032	·0032	·0034	·0025	·0019	·0007	·9998	·9988	·9984	·9980	·9978	·9977	·9980	·9981	·9982	·9986	·9982	·0010
10	·9982	·9977	·9973	·9970	·9969	·9969	·9968	·9967	·9969	·9971	·9969	·9973	·9972	·9974	·9976	·9973	·9971	·9971	·9976	·9978	·9983	·9987	·9988	·9988	·9990	·9975
11	·9990	·9992	·9992	·9991	·9993	·9992	·9999	·0006	·0006	·0008	·0011	·0007	·0006	·0000	·9998	·9997	·9990	·9987	·9988	·9986	·9988	·9986	·9982	·9980	·9979	·9995
12	·9979	·9968	·9962	·9957	·9956	·9950	·9952	·9951	·9954	·9955	·9960	·9958	·9955	·9957	·9958	·9959	·9960	·9964	·9967	·9973	·9979	·9986	·9992	·9996	·9996	·9965
13	·9996	·9997	·9996	·9997	·9999	·9999	·0004	·0009	·0013	·0012	·0010	·0007	·0006	·0003	·9998	·9992	·9991	·9990	·9986	·9985	·9987	·9986	·9986	·9986	·9980	·9997
14	·9980	·9979	·9974	·9969	·9969	·9967	·9964	·9960	·9956	·9956	·9963	·9955	·9950	·9944	·9937	·9926	·9918	·9905	·9904	·9903	·9902	·9897	·9897	·9900	·9895	·9939
15	·9895	·9895	·9893	·9881	·9864	·9865	·9869	·9876	·9868	·9862	·9860	·9856	·9847	·9840	·9826	·9825	·9819	·9809	·9800	·9798	·9796	·9789	·9782	·9782	·9783	·9839
16	·9783	·9778	·9778	·9770	·9770	·9769	·9772	·9774	·9784	·9786	·9783	·9781	·9784	·9786	·9793	·9791	·9793	·9795	·9797	·9801	·9807	·9810	·9813	·9813	·9812	·9789
17	·9812	·9810	·9810	·9807	·9806	·9802	·9800	·9797	·9794	·9790	·9787	·9781	·9778	·9775	·9768	·9762	·9759	·9755	·9752	·9750	·9750	·9748	·9747	·9743	·9739	·9777
18	·9739	·9732	·9727	·9720	·9718	·9713	·9710	·9709	·9708	·9705	·9701	·9696	·9690	·9683	·9676	·9672	·9666	·9662	·9652	·9639	·9634	·9623	·9617	·9614	·9622	·9681
19	·9622	·9624	·9623	·9622	·9624	·9622	·9620	·9617	·9615	·9615	·9611	·9609	·9609	·9609	·9604	·9604	·9601	·9603	·9612	·9622	·9633	·9645	·9655	·9662	·9671	·9621
20	·9671	·9679	·9688	·9694	·9700	·9704	·9726	·9743	·9755	·9765	·9778	·9790	·9803	·9811	·9824	·9836	·9846	·9857	·9870	·9877	·9888	·9891	·9894	·9891	·9890	·9795
21	·9890	·9888	·9879	·9867	·9863	·9854	·9849	·9847	·9858	·9864	·9868	·9871	·9875	·9883	·9894	·9902	·9908	·9912	·9917	·9916	·9916	·9913	·9909	·9897	·9896	·9885
22	·9896	·9904	·9901	·9896	·9892	·9894	·9895	·9896	·9898	·9896	·9901	·9903	·9905	·9901	·9894	·9883	·9895	·9891	·9890	·9891	·9892	·9891	·9888	·9885	·9879	·9895
23	·9879	·9870	·9864	·9856	·9843	·9834	·9826	·9817	·9812	·9807	·9805	·9800	·9796	·9797	·9794	·9794	·9792	·9790	·9789	·9793	·9799	·9804	·9805	·9806	·9814	·9814
24	·9814	·9817	·9821	·9829	·9833	·9833	·9831	·9836	·9840	·9842	·9839	·9839	·9839	·9832	·9830	·9828	·9818	·9817	·9822	·9818	·9818	·9815	·9813	·9808	·9806	·9825
25	·9806	·9799	·9793	·9789	·9784	·9776	·9773	·9770	·9765	·9760	·9757	·9752	·9749	·9745	·9739	·9736	·9733	·9732	·9729	·9726	·9726	·9724	·9720	·9717	·9716	·9752
26	·9716	·9711	·9709	·9711	·9714	·9717	·9725	·9729	·9728	·9732	·9736	·9744	·9741	·9744	·9747	·9745	·9749	·9751	·9751	·9756	·9757	·9756	·9753	·9746	·9742	·9737
27	·9742	·9731	·9723	·9715	·9704	·9693	·9685	·9675	·9669	·9661	·9655	·9645	·9637	·9632	·9625	·9617	·9610	·9604	·9598	·9595	·9596	·9595	·9599	·9609	·9621	·9648
28	·9621	·9627	·9642	·9653	·9658	·9659	·9668	·9673	·9674	·9675	·9679	·9675	·9675	·9672	·9670	·9660	·9663	·9658	·9654	·9646	·9639	·9632	·9624	·9617	·9612	·9655
29	·9612	·9607	·9604	·9600	·9595	·9593	·9593	·9593	·9593	·9596	·9593	·9592	·9605	·9608	·9609	·9611	·9623	·9627	·9634	·9643	·9653	·9657	·9663	·9669	·9676	·9617
30	·9676	·9681	·9687	·9692	·9698	·9707	·9716	·9726	·9735	·9742	·9748	·9758	·9765	·9771	·9780	·9789	·9793	·9798	·9803	·9810	·9817	·9821	·9825	·9828	·9832	·9760
Mean...	0·9 8603	0·9 8588	0·9 8578	0·9 8556	0·9 8543	0·9 8533	0·9 8550	0·9 8568	0·9 8581	0·9 8589	0·9 8598	0·9 8586	0·9 8582	0·9 8569	0·9 8559	0·9 8539	0·9 8536	0·9 8529	0·9 8543	0·9 8558	0·9 8584	0·9 8587	0·9 8590	0·9 8583	0·9 8587	0·9 8568
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(21340—24.) Wt. 41466—310. 375. 10/11. D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* APRIL, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	—	4·9	—	4·0	—	3·6	—	3·1	—	2·7	—	3·1	—	2·2	—	3·1	—	3·6	—	3·1	—	2·7	—	1·3
2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·8	—	3·1	—	5·4
3	—	8·1	—	9·4	—	9·8	—	9·8	—	9·8	—	9·4	—	9·8	—	12·1	—	12·1	—	9·4	—	10·3	—	10·3
4	—	1·8	—	2·7	—	3·6	—	4·0	—	4·0	—	4·9	—	5·8	—	5·8	—	6·3	—	7·6	—	8·1	—	6·7
5	—	8·9	—	8·1	—	7·2	—	8·1	—	7·2	—	6·7	—	8·5	—	8·5	—	10·7	—	11·6	—	10·3	—	11·2
6	—	6·7	—	6·3	—	6·3	—	5·8	—	5·4	—	7·2	—	8·1	—	8·9	—	8·9	—	10·3	—	12·1	—	11·6
7	—	4·5	—	5·8	—	8·1	—	9·4	—	8·9	—	8·9	—	8·9	—	11·6	—	11·2	—	11·6	—	9·8	—	10·3
8	—	4·5	—	3·6	—	2·2	—	4·9	—	6·7	—	6·3	—	4·0	—	6·7	—	9·8	—	10·3	—	10·7	—	10·7
9	—	5·4	—	3·1	—	1·3	—	1·8	—	1·3	—	1·3	—	0·9	—	3·1	—	3·1	—	4·0	—	3·1	—	3·6
10	—	7·6	—	8·9	—	8·9	—	8·5	—	8·9	—	9·8	—	11·2	—	13·0	—	13·0	—	13·4	—	13·0	—	12·5
11	—	7·2	—	6·7	—	6·7	—	6·3	—	5·4	—	4·5	—	4·0	—	5·4	—	5·4	—	3·6	—	3·1	—	3·1
12	—	0·0	—	0·9	—	4·5	—	3·6	—	2·2	—	2·2	—	0·9	—	1·8	—	4·5	—	4·5	—	4·5	—	6·7
13	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	—	3·6	—	4·5	—	5·4
14	—	1·3	—	3·1	—	4·0	—	2·2	—	4·0	—	4·9	—	4·0	—	6·3	—	8·1	—	8·1	—	9·4	—	9·4
15	—	15·2	—	14·8	—	15·7	—	17·0	—	16·5	—	14·3	—	9·8	—	11·2	—	12·1	—	12·5	—	12·1	—	13·0
16	—	13·4	—	13·9	—	14·8	—	13·9	—	13·4	—	13·0	—	11·2	—	11·2	—	11·6	—	13·9	—	13·4	—	13·9
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	0·9	—	0·5	—	0·0
18	—	10·7	—	10·7	—	10·7	—	10·7	—	10·3	—	6·7	—	6·7	—	5·4	—	5·8	—	8·1	—	6·7	—	7·2
19	—	5·8	—	2·7	—	2·7	—	5·4	—	5·8	—	7·6	—	8·9	—	10·7	—	11·6	—	11·2	—	12·1	—	13·0
20	—	11·6	—	10·7	—	9·8	—	8·9	—	10·3	—	10·7	—	10·7	—	11·2	—	13·0	—	12·5	—	12·5	—	13·0
21	—	11·2	—	10·7	—	8·1	—	5·8	—	7·2	—	13·0	—	13·9	—	11·6	—	7·6	—	11·2	—	12·5	—	14·8
22	—	14·8	—	14·3	—	14·8	—	15·7	—	14·3	—	12·5	—	11·2	—	10·3	—	9·8	—	9·4	—	8·1	—	8·1
23	—	8·5	—	8·9	—	9·4	—	9·4	—	8·9	—	8·5	—	8·9	—	10·3	—	10·3	—	12·1	—	11·6	—	12·5
24	—	8·9	—	8·1	—	6·3	—	4·5	—	4·5	—	5·4	—	6·3	—	6·7	—	6·7	—	8·5	—	8·5	—	9·4
25	—	6·7	—	6·3	—	5·8	—	5·4	—	5·4	—	5·4	—	8·1	—	8·9	—	10·7	—	10·7	—	11·2	—	9·8
26	—	0·9	—	7·6	—	7·6	—	8·9	—	6·3	—	6·3	—	5·8	—	7·6	—	6·7	—	8·9	—	8·9	—	9·4
27	—	3·6	—	3·6	—	0·9	—	0·0	—	0·5	—	1·3	—	3·1	—	4·9	—	1·8	—	1·8	—	2·7	—	3·6
28	—	3·6	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	5·4	—	6·3	—	5·8	—	6·3	—	6·7
29	—	4·9	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	—	5·4	—	5·4	—	5·8	—	6·3
30	—	0·0	—	0·0	—	0·0	—	1·8	—	1·8	—	2·7	—	4·9	—	4·5	—	4·5	—	5·4	—	4·5	—	4·0
Mean ...	—	6·0	—	5·9	—	5·8	—	5·8	—	5·7	—	5·9	—	5·9	—	6·9	—	7·4	—	8·0	—	8·1	—	8·4
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	—	0·9	—	1·3	—	0·9	—	0·5	—	0·0	—	0·5	—	1·8	—	0·9	—	1·3	—	1·3	—	1·3	—	0·5	2·0	1
2	—	7·6	—	5·8	—	4·5	—	3·6	—	2·2	—	1·8	—	0·0	—	0·0	—	1·8	—	6·3	—	5·4	—	7·6	2·4	2
3	—	11·2	—	10·3	—	9·4	—	8·1	—	6·7	—	5·8	—	4·5	—	4·0	—	4·5	—	3·6	—	3·6	—	3·1	8·1	3
4	—	8·5	—	7·6	—	7·2	—	6·7	—	7·2	—	5·4	—	6·3	—	6·7	—	8·1	—	7·6	—	9·4	—	9·8	6·3	4
5	—	10·7	—	10·3	—	10·7	—	10·7	—	9·8	—	8·5	—	5·8	—	7·2	—	8·1	—	8·5	—	7·6	—	8·1	8·9	5
6	—	11·2	—	11·2	—	11·2	—	9·4	—	8·9	—	7·6	—	6·7	—	7·6	—	6·7	—	5·4	—	5·4	—	6·3	8·1	6
7	—	10·7	—	10·3	—	9·8	—	8·5	—	8·1	—	7·6	—	8·1	—	7·6	—	7·6	—	5·8	—	5·8	—	5·8	8·6	7
8	—	9·8	—	8·9	—	8·9	—	8·1	—	8·1	—	7·6	—	7·2	—	6·3	—	6·7	—	5·4	—	4·0	—	4·9	6·9	8
9	—	4·0	—	3·6	—	5·8	—	5·4	—	5·8	—	4·9	—	3·6	—	5·8	—	7·6	—	8·9	—	6·3	—	8·5	4·3	9
10	—	11·2	—	9·8	—	9·8	—	9·4	—	9·8	—	8·5	—	8·5	—	8·1	—	7·6	—	7·6	—	8·1	—	8·1	9·8	10
11	—	1·8	—	0·9	—	0·5	—	0·5	—	0·0	—	0·9	—	2·2	—	0·5	—	0·9	—	0·5	—	0·5	—	0·0	2·9	11
12	—	6·3	—	6·7	—	5·4	—	4·0	—	3·6	—	4·9	—	4·9	—	4·0	—	2·7	—	0·5	—	0·0	—	0·0	3·3	12
13	—	4·9	—	7·2	—	7·2	—	7·6	—	6·7	—	6·7	—	3·1	—	4·5	—	3·1	—	2·7	—	2·7	—	2·7	3·1	13
14	—	10·3	—	11·6	—	12·5	—	13·0	—	14·3	—	13·4	—	13·9	—	14·8	—	15·7	—	15·7	—	15·7	—	15·7	9·6	14
15	—	14·8	—	17·0	—	14·8	—	12·5	—	13·0	—	13·0	—	11·6	—	11·2	—	11·2	—	12·1	—	13·0	—	13·0	13·4	15
16	—	11·6	—	11·2	—	12·1	—	12·1	—	11·2	—	10·3	—	8·1	—	4·9	—	4·9	—	1·3	—	0·0	—	0·0	10·2	16
17	—	3·6	—	8·1	—	9·8	—	12·1	—	10·7	—	11·2	—	10·3	—	9·8	—	9·8	—	11·2	—	13·0	—	12·1	5·2	17
18	—	8·5	—	8·5	—	9·4	—	8·5	—	6·7	—	4·9	—	6·3	—	5·4	—	7·6	—	8·1	—	9·4	—	9·8	8·0	18
19	—	10·3	—	13·4	—	13·0	—	12·5	—	13·0	—	13·9	—	10·7	—	10·7	—	10·7	—	13·4	—	12·1	—	12·1	10·1	19
20	—	13·0	—	14·3	—	13·0	—	13·9	—	12·5	—	9·8	—	8·1	—	6·3	—	5·8	—	5·8	—	9·8	—	11·6	10·8	20
21	—	15·7	—	14·3	—	11·6	—	8·5	—	11·2	—	9·4	—	10·7	—	12·1	—	11·6	—	12·1	—	15·7	—	16·5	11·5	21
22	—	10·3	—	11·6	—	12·5	—	9·4	—	8·1	—	6·7	—	5·8	—	6·7	—	6·3	—	5·8	—	3·1	—	4·5	9·8	22
23	—	12·1	—	11·2	—	11·6	—	11·6	—	10·7	—	9·4	—	10·7	—	12·5	—	11·6	—	11·6	—	11·2	—	10·3	10·6	23
24	—	11·2	—	13·0	—	12·5	—	13·9	—	12·5	—	7·6	—	5·8	—	5·8	—	4·0	—	3·1	—	4·5	—	4·5	7·6	24
25	—	8·5	—	9·8	—	8·9	—	8·5	—	8·5	—	7·2	—	5·4	—	2·7	—	0·5	—	0·5	—	1·3	—	0·9	6·5	25
26	—	10·7	—	9·8	—	10·3	—	9·4	—	9·4	—	8·9	—	6·3	—	6·7	—	5·8	—	4·5	—	3·6	—	2·7	7·2	26
27	—	3·1	—	1·8	—	0·9	—	0·9	—	2·2	—	0·9	—	3·1	—	5·8	—	7·2	—	6·7	—	6·3	—	5·4	3·0	27
28	—	6·3	—	8·1	—	8·5	—	7·6	—	4·9	—	5·8	—	5·4	—	4·5	—	2·2	—	0·0	—	0·5	—	5·4	4·0	28
29	—	4·9	—	1·3	—	0·5	—	4·5	—	4·5	—	0·5	—	2·7	—	3·6	—	0·0	—	0·0	—	0·0	—	0·0	2·2	29
30	—	3·1	—	3·1	—	2·7	—	1·8	—	3·1	—	1·3	—	2·2	—	2·7	—	2·2	—	2·2	—	4·0	—	1·3	2·7	30
	—	8·6	—	8·7	—	8·5	—	8·1	—	7·8	—	6·8	—	6·3	—	6·3	—	6·1	—	5·9	—	6·1	—	6·4	6·9	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. APRIL, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
5	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	1·78
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25	—	0·50
7	0·25	0·25	0·51	0·51	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·02
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	0·51
11	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	2·79	1·27	0·25	—	0·25	1·52	—	6·33
16	—	—	—	—	—	—	—	0·51	—	0·25	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	1·01
17	—	—	—	—	—	—	0·76	1·02	2·03	0·51	—	—	—	—	—	—	—	—	—	0·51	0·25	0·25	—	0·25	5·58
18	0·51	0·25	—	0·51	0·51	0·51	0·25	—	—	—	—	—	0·25	0·51	0·51	0·51	0·76	1·78	1·02	1·27	—	—	1·78	—	10·42
19	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	1·27	2·54	0·25	—	1·02	—	2·28	2·54	10·15
20	2·28	1·52	2·03	1·78	1·52	1·27	1·27	—	—	0·25	0·51	1·78	—	—	—	—	—	—	—	—	—	—	—	1·02	15·23
21	1·27	1·27	1·27	1·78	2·79	2·03	1·02	0·76	—	0·51	—	—	—	—	—	—	—	—	0·51	0·25	—	—	—	—	13·46
22	—	0·51	1·27	2·03	2·54	2·54	2·79	3·05	1·52	0·76	—	1·78	0·25	1·27	0·76	0·51	0·76	1·78	0·25	—	—	0·25	—	0·76	25·38
23	0·76	0·25	0·25	0·25	0·51	0·51	1·78	0·51	—	—	—	2·03	2·79	3·05	2·79	0·25	3·05	2·54	1·02	0·25	—	—	—	—	22·59
24	—	—	—	—	—	—	—	—	—	0·25	0·76	—	0·25	1·27	0·76	—	—	—	—	—	—	—	0·51	0·51	4·31
25	1·78	1·52	1·02	1·52	1·78	0·25	—	0·25	0·76	1·02	0·51	1·02	0·51	0·25	0·25	0·25	—	1·52	2·28	—	—	—	0·25	0·51	17·25
26	0·76	1·02	1·02	1·27	0·25	—	—	—	—	—	1·02	0·25	—	—	—	0·25	—	—	—	—	—	—	—	—	5·84
27	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·76	0·51	0·76	0·25	0·76	1·52	1·02	1·02	1·52	0·25	0·25	9·38
28	—	—	—	—	—	—	—	—	—	0·51	—	1·27	0·25	0·76	—	2·28	—	—	—	—	—	—	0·25	1·02	6·34
29	0·51	1·02	0·76	1·02	0·76	0·51	0·25	0·25	—	0·25	—	—	—	—	—	2·03	—	0·25	—	—	—	0·25	—	—	7·86
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	8·37	7·61	8·38	10·67	10·91	7·86	7·87	6·35	4·56	4·31	2·80	8·38	5·06	8·63	5·58	6·84	6·34	14·21	8·37	3·55	2·29	2·52	7·09	6·86	166·69
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. APRIL, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	·4	·8	·7	1·0	·9	·9	1·0	1·0	·8	—	—	—	7·5	
2	—	—	—	—	·1	·9	·3	—	—	—	·3	·7	·9	1·0	·3	—	—	4·5	
3	—	—	·5	1·0	1·0	1·0	·6	·7	·6	1·0	·9	·6	·4	·5	·4	—	—	9·2	
4	—	—	—	—	—	·4	·1	·3	·1	—	—	—	—	—	—	—	—	0·9	
5	—	—	·3	1·0	1·0	·8	·8	·5	·9	·9	·7	·8	·6	·9	·7	—	—	9·9	
6	—	—	—	—	·6	·6	·8	1·0	·5	·1	·1	·1	—	—	—	—	—	3·8	
7	—	—	·1	—	·2	—	—	—	—	·5	·5	·5	·1	—	—	—	—	1·9	
8	—	—	—	—	—	·7	·8	·4	·4	—	—	—	—	—	—	—	—	2·3	
9	—	—	—	—	—	·2	·1	·6	·5	·8	·9	1·0	·5	·6	—	—	—	5·2	
10	—	—	—	·1	·2	·1	·1	·1	—	—	—	—	—	—	—	—	—	0·6	
11	—	—	—	—	—	—	—	—	—	—	·1	1·0	1·0	1·0	·6	—	—	3·7	
12	—	—	—	—	—	·1	·3	—	·1	—	—	·1	·2	—	—	—	—	0·8	
13	—	—	—	—	·9	·2	·1	—	·1	·1	·6	·4	·3	—	·2	—	—	2·9	
14	—	—	—	—	·8	·6	·5	·3	·7	1·0	·9	1·0	·8	·8	·1	—	—	7·5	
15	—	—	—	—	·1	—	·4	·1	·7	·7	·5	—	—	—	—	—	—	2·5	
16	—	—	—	—	·4	·8	1·0	·9	·7	·7	·9	·6	·1	·4	·9	·1	—	7·5	
17	—	—	—	—	—	—	—	—	—	·1	·1	—	—	—	—	—	—	0·2	
18	—	—	—	—	—	·3	—	—	—	—	—	—	—	—	—	—	—	0·3	
19	—	·1	·1	·4	·4	·1	—	—	—	·2	—	—	—	—	—	—	—	1·3	
20	—	—	—	—	·1	·1	·1	—	—	·5	·8	·3	1·0	1·0	·2	—	—	4·1	
21	—	—	—	—	—	·1	·1	—	—	—	—	—	—	—	—	—	—	0·2	
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	—	—	—	—	—	·1	—	—	—	·1	—	·2	—	—	—	—	—	0·4	
24	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	0·1	
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	—	—	·5	·4	1·0	·5	·7	·5	·9	·9	1·0	1·0	·6	·3	—	—	—	8·3	
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	·1	·1	—	—	—	—	—	·2	·7	·6	—	—	—	—	—	1·7	
29	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	0·1	
30	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	0·1	
	—	0·1	1·6	3·0	6·8	7·9	7·7	6·1	7·2	8·9	10·0	9·9	7·5	7·3	3·4	0·1	—	87·5	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. APRIL, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	75.8	75.7	75.4	75.2	75.0	74.7	74.6	75.1	75.7	76.2	77.5	79.3	79.7	80.1	81.3	81.9	82.1	82.4	80.6	78.3	77.8	77.4	75.9	73.9	73.0	77.5
2	73.0	72.3	72.2	72.3	73.1	73.7	73.8	74.1	75.3	78.6	80.7	80.4	80.1	78.2	79.2	80.4	80.0	80.7	80.6	78.7	77.8	77.6	77.0	76.2	74.9	77.0
3	74.9	74.8	74.0	73.0	72.3	72.0	71.2	71.8	73.4	74.7	76.1	76.7	76.8	77.4	77.2	76.7	75.0	73.8	74.4	73.4	72.6	72.2	71.3	71.9	70.8	74.0
4	70.8	70.1	70.2	70.7	71.2	71.3	71.3	72.2	72.9	74.0	74.1	74.6	75.0	75.9	75.7	75.1	75.2	74.4	73.7	73.6	73.8	73.9	72.5	73.8	72.4	73.2
5	72.4	72.5	72.3	71.0	71.0	71.2	71.4	72.0	72.4	72.8	72.2	72.1	74.8	74.8	74.3	74.1	73.6	73.0	72.4	71.0	70.2	70.3	70.8	70.6	70.8	72.2
6	70.8	71.2	71.7	72.0	72.2	72.2	72.7	73.8	75.1	76.0	77.1	78.6	78.4	76.5	77.4	77.6	77.4	77.1	76.2	76.0	76.1	75.2	75.3	75.0	75.3	75.2
7	75.3	75.7	76.2	76.2	76.3	76.3	76.4	76.5	76.8	76.8	77.3	77.5	77.8	78.6	78.5	78.8	78.8	78.1	77.5	77.0	76.7	76.5	76.4	76.2	76.2	77.0
8	76.2	75.9	75.9	75.6	75.7	75.5	75.7	76.1	76.8	77.3	77.9	77.5	78.2	78.2	77.9	78.4	78.1	77.9	77.4	76.9	77.0	77.2	77.4	77.4	77.7	77.0
9	77.7	77.9	77.9	77.9	78.1	78.0	78.1	78.3	79.1	80.2	79.9	80.2	82.3	82.4	84.2	84.1	84.1	83.6	82.4	81.7	80.2	78.5	76.8	75.9	75.3	79.9
10	75.3	75.2	75.2	75.2	75.0	74.7	74.7	75.0	75.4	76.2	76.5	76.9	77.2	75.9	74.4	75.2	76.1	75.9	75.6	75.0	74.6	74.8	74.3	74.3	74.1	75.3
11	74.1	74.2	74.3	74.3	74.5	74.3	74.6	75.1	76.5	77.0	77.4	77.1	78.0	78.6	79.0	80.1	80.9	81.3	81.1	77.6	76.0	74.7	73.8	73.4	73.3	76.6
12	73.3	72.9	75.1	79.1	78.9	79.0	79.9	79.7	79.8	80.6	82.9	83.5	84.6	85.1	84.2	84.1	84.6	84.6	83.4	82.3	82.0	79.7	79.6	79.6	79.2	80.9
13	79.2	78.9	78.5	76.4	75.4	74.1	75.1	76.3	78.2	82.4	83.6	83.1	84.1	85.2	85.2	85.4	85.2	84.6	84.6	81.9	80.5	80.2	79.2	78.5	77.9	80.6
14	77.9	77.5	76.8	75.7	75.8	75.3	76.4	77.4	79.5	80.7	81.9	81.7	81.7	83.6	83.0	83.4	82.0	81.8	80.8	79.8	79.7	79.7	79.5	79.7	79.7	79.7
15	79.7	79.6	79.4	79.1	79.1	78.9	79.1	79.1	79.8	80.6	81.4	80.9	82.0	81.4	81.1	80.2	79.9	79.8	80.2	80.7	80.2	80.3	79.7	79.2	78.3	80.0
16	78.3	77.3	77.3	76.7	76.4	76.3	76.1	76.7	76.3	78.6	79.1	81.0	81.2	79.4	78.5	79.2	78.7	77.6	78.0	76.3	*75.8*	75.2	*74.9*	*74.8*	*74.6*	77.4
17	*74.6*	*74.5*	*74.2*	*74.0*	*73.8*	*73.6*	*73.4*	*73.7*	*73.8*	74.0	74.5	75.1	76.3	77.6	80.5	80.1	79.9	79.5	79.2	79.1	79.1	79.1	79.1	79.1	79.1	76.7
18	79.1	79.0	79.1	79.1	79.1	79.0	78.9	78.8	79.1	79.6	81.7	82.1	81.7	81.7	81.8	82.1	82.2	81.8	81.4	81.7	81.7	82.1	82.4	82.3	78.9	80.7
19	78.9	77.3	76.4	76.6	77.4	77.7	78.7	78.8	80.1	80.6	81.0	81.4	81.8	79.2	81.1	80.7	81.3	79.8	78.7	78.7	79.0	79.0	79.4	79.1	78.8	79.3
20	78.8	78.7	78.7	78.8	78.9	78.9	77.4	76.5	77.2	77.6	77.4	75.7	76.6	78.6	79.2	79.4	80.2	80.2	78.0	77.6	77.5	77.4	77.5	78.2	78.1	78.1
21	78.1	77.4	77.0	76.4	76.7	77.1	79.2	79.9	80.3	80.6	82.9	83.4	83.0	83.3	83.6	83.5	82.0	80.6	80.4	80.2	80.2	80.4	80.2	80.4	80.6	80.3
22	80.6	80.1	80.1	80.3	80.1	80.1	80.1	80.0	80.2	80.4	81.3	81.3	81.8	80.9	81.3	81.3	80.7	80.6	80.4	80.2	80.1	79.8	79.6	79.7	79.7	80.4
23	79.7	79.9	79.5	79.5	80.0	79.8	80.1	80.2	81.0	81.5	81.8	81.6	81.9	81.9	82.5	82.4	82.9	81.9	81.7	80.3	80.1	79.7	79.7	79.7	79.7	80.8
24	79.7	79.8	79.7	79.8	79.5	79.3	79.6	79.7	80.0	79.8	80.0	79.4	79.7	80.1	79.9	79.6	80.1	80.3	80.7	80.5	80.4	80.4	81.0	81.0	80.6	80.0
25	80.6	80.4	80.3	80.3	80.6	80.3	80.2	79.9	80.1	80.1	80.6	80.8	81.2	81.1	81.5	80.8	80.7	80.6	80.4	80.5	80.3	80.3	80.3	80.5	80.4	80.5
26	80.4	80.4	79.6	78.5	77.1	77.0	77.4	78.2	78.5	79.5	80.2	77.8	80.3	81.1	82.8	82.6	81.3	80.8	79.8	79.4	78.6	78.5	78.0	77.6	77.5	79.3
27	77.5	77.4	77.2	76.2	76.8	77.4	78.1	78.6	78.7	79.1	79.0	79.8	79.9	79.7	79.7	79.8	79.7	79.8	79.5	79.1	78.7	78.5	78.2	77.8	77.8	78.6
28	77.8	78.0	77.4	76.3	75.2	74.5	74.1	76.1	79.3	79.6	79.1	79.3	80.7	81.2	81.1	82.1	79.6	79.8	80.3	79.8	79.5	79.1	78.9	78.7	77.8	78.6
29	77.8	77.3	76.8	76.3	76.0	75.8	75.9	76.7	77.4	79.4	79.2	80.0	80.4	81.0	82.4	82.6	79.1	78.9	79.2	79.3	79.1	77.8	78.1	78.1	77.3	78.5
30	77.3	77.6	77.8	78.1	77.8	77.5	77.4	77.7	78.4	78.9	80.1	79.7	80.2	81.1	81.2	80.3	81.0	80.7	80.4	79.3	77.9	78.1	77.6	75.2	74.9	78.8
Mean ...	76.9	76.7	76.5	76.4	76.3	76.2	76.4	76.8	77.6	78.4	79.1	79.3	79.9	80.0	80.3	80.4	80.1	79.7	79.3	78.5	78.1	77.8	77.5	77.3	76.8	78.1
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). APRIL, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	90	90	89	90	87	87	83	84	81	77	75	69	70	68	67	65	65	66	74	79	79	76	85	84	84	78.2
2	84	85	87	82	94	94	94	97	94	84	67	73	73	76	77	71	69	61	58	73	77	77	87	88	93	80.3
3	93	87	84	72	68	80	84	85	92	89	94	94	57	54	54	59	79	84	76	77	82	91	81	71	66	78.1
4	66	68	70	77	78	81	83	91	90	91	88	97	77	98	84	80	80	78	75	80	85	94	97	99	87	84.1
5	87	97	90	93	93	87	97	96	90	82	84	81	80	78	76	75	66	79	85	93	93	76	84	86	93	85.4
6	93	87	90	89	92	92	94	88	69	67	65	60	62	81	65	67	70	79	85	82	85	93	95	98	94	81.2
7	94	93	93	95	99	97	99	97	94	95	92	91	88	84	84	78	78	77	85	89	93	89	94	94	91	90.5
8	91	88	92	95	95	95	92	91	94	92	85	92	82	81	82	75	78	78	78	82	82	80	79	81	80	85.6
9	80	79	79	80	82	85	83	83	79	65	63	64	64	62	60	59	59	59	62	64	72	79	86	83	79	72.1
10	79	73	70	67	67	71	70	72	68	67	66	65	69	87	96	92	80	80	84	86	83	88	94	93	96	78.2
11	96	91	93	95	94	93	92	93	90	85	84	89	83	82	79	75	77	73	73	83	89	90	94	93	95	86.9
12	95	93	93	69	71	70	64	72	72	74	63	63	65	61	67	68	64	66	74	79	79	92	91	87	90	74.5
13	90	94	94	99	88	100	99	100	98	79	75	75	70	64	64	61	61	64	65	73	82	85	83	86	92	81.3
14	92	91	90	90	91	95	96	93	74	67	65	60	63	57	61	56	64	65	71	76	70	72	74	74	73	74.9
15	73	74	74	79	76	78	76	80	72	74	75	73	71	75	82	85	90	94	97	88	87	85	91	85	82	80.8
16	82	85	78	77	80	81	80	84	89	78	79	66	57	75	88	64	64	61	59	64	*69*	75	*76*	*75*	*77*	74.3
17	*77*	*78*	*80*	*81*	*83*	*86*	*90*	*91*	*91*	93	94	96	96	97	91	94	92	93	97	100	100	99	99	99	100	92.0
18	100	100	100	100	99	100	99	96	98	94	87	81	82	90	91	93	95	97	100	97	99	90	85	85	88	93.8
19	88	89	85	87	87	86	83	82	77	72	70	67	66	90	72	80	77	86	91	97	91	93	94	94	98	83.7
20	98	99	99	99	100	96	93	93	89	83	84	92	95	85	66	58	55	57	81	84	79	85	97	99	98	86.1
21	98	93	98	100	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99.5
22	100	100	100	100	100	100	100	100	100	100	100	100	99	99	100	100	96	99	100	100	100	100	100	100	100	99.7
23	100	100	100	100	100	100	100	100	98	96	94	95	95	92	94	90	86	97	89	90	79	83	85	86	90	93.5
24	90	85	84	85	88	88	86	84	82	89	86	89	91	92	97	95	94	94	96	98	100	100	100	100	100	91.6
25	100	99	100	100	100	100	100	100	100	100	99	100	100	100	100	100	100	100	100	98	100	100	100	100	100	99.8
26	100	100	92	90	90	90	90	85	92	81	77	88	77	76	64	64	67	72	70	75	78	80	90	90	90	82.2
27	90	92	89	94	99	100	97	93	91	85	87	82	82	84	84	84	92	92	94	97	97	96	97	88	89	91.0
28	89	92	92	91	94	94	92	86	90	88	93	99	91	86	95	73	86	90	90	96	95	98	97	100	94	91.7
29	94	95	94	91	97	98	97	97	95	87	91	88	90	84	78	71	92	90	91	92	92	94	97	94	100	91.3
30	100	97	95	92	88	89	89	80	82	72	63	70	65	62	62	64	63	61	64	75	80	77	80	85	85	77.0
Mean ...	90.3	89.8	89.1	88.6	89.3	90.4	90.1	89.8	87.7	83.5	81.5	82.0	78.7	80.7	79.3	76.5	78.0	79.7	82.1	85.6	86.6	87.9	90.4	89.9	90.1	85.3
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** MAY, 1911.

Heights above Mean Sea Level: Station, H = 9.2m. Barometer Cistern, H_b = 13.7m.
Heights above Ground: Thermometers, h_t = 1.2m. Rain-gauge, h_r = 0.6m. Sunshine Recorder, h_s = 12.8m. Cups of Anemometer, h_a = 13.7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE and TEMPERATURE. MAY, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		b.r.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	.0146	.9971	84.3	81.2	9	.0155	.0122	89.1	83.2	17	.0138	.0111	86.7	79.1	25	.0128	.0037	85.2	81.2
2	.0082	.9956	84.4	80.2	10	.0129	.0097	92.3	83.2	18	.0242	.0122	88.9	81.4	26	.0193	.0126	87.2	80.3
3	.0090	**.9943**	84.2	81.2	11	.0109	.0083	91.9	81.8	19	**.0258**	.0242	89.9	79.5	27	.0247	.0191	87.6	80.9
4	.0169	.0089	86.0	80.1	12	.0105	.0063	92.5	85.5	20	.0254	.0240	88.4	81.1	28	.0245	.0224	91.8	80.0
5	.0248	.0167	85.6	82.1	13	.0063	.0009	92.1	84.1	21	.0240	.0206	89.3	80.4	29	.0226	.0199	**94.6**	82.8
6	.0252	.0215	86.3	83.2	14	.0012	.9994	89.3	83.2	22	.0207	.0155	87.4	82.1	30	.0200	.0138	94.3	83.6
7	.0215	.0152	84.5	82.6	15	.0078	.0009	86.7	81.3	23	.0155	.0119	86.2	84.4	31	.0162	.0118	91.5	81.1
8	.0181	.0155	84.7	81.6	16	.0140	.0078	87.4	**78.5**	24	.0143	.0086	87.6	84.9	Mean.	—	—	88.3	81.8

TABLE II.

VALENCIA. MAY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	.0146	.0143	.0137	.0131	.0122	.0114	.0113	.0107	.0103	.0100	.0095	.0091	.0088	.0080	.0073	.0068	.0061	.0050	.0039	.0029	.0014	.0005	.9994	.9982	.9971	.0075
2	.9971	.9961	.9958	.9973	.9982	.9990	.9998	.0010	.0022	.0030	.0037	.0050	.0062	.0065	.0072	.0075	.0077	.0080	.0081	.0082	.0078	.0079	.0074	.0065	.0052	.0038
3	.0052	.0035	.0013	.9999	.9988	.9975	.9963	.9955	.9947	.9945	.9963	.9973	.9987	.9997	.0010	.0021	.0034	.0040	.0048	.0056	.0064	.0073	.0078	.0084	.0090	.0013
4	.0090	.0090	.0092	.0093	.0094	.0093	.0095	.0099	.0102	.0101	.0102	.0104	.0108	.0110	.0113	.0112	.0114	.0121	.0129	.0133	.0140	.0149	.0158	.0164	.0169	.0114
5	.0169	.0174	.0173	.0172	.0172	.0174	.0176	.0183	.0191	.0198	.0202	.0205	.0211	.0215	.0217	.0220	.0221	.0226	.0227	.0231	.0236	.0241	.0245	.0246	.0248	.0207
6	.0248	.0248	.0246	.0245	.0244	.0243	.0245	.0247	.0248	.0249	.0251	.0250	.0247	.0248	.0244	.0242	.0236	.0234	.0232	.0229	.0227	.0224	.0223	.0220	.0215	.0240
7	.0215	.0209	.0202	.0198	.0192	.0188	.0186	.0184	.0180	.0181	.0177	.0175	.0171	.0167	.0162	.0160	.0156	.0154	.0154	.0155	.0164	.0171	.0174	.0175	.0175	.0176
8	.0175	.0173	.0173	.0171	.0171	.0173	.0174	.0178	.0180	.0179	.0177	.0179	.0176	.0175	.0171	.0169	.0164	.0159	.0157	.0155	.0158	.0161	.0159	.0157	.0155	.0169
9	.0155	.0148	.0143	.0141	.0138	.0137	.0134	.0137	.0137	.0140	.0141	.0141	.0138	.0135	.0130	.0130	.0125	.0124	.0125	.0125	.0126	.0128	.0128	.0129	.0129	.0134
10	.0129	.0128	.0124	.0120	.0117	.0114	.0112	.0111	.0110	.0110	.0107	.0107	.0104	.0102	.0097	.0102	.0100	.0102	.0100	.0102	.0103	.0105	.0107	.0106	.0103	.0109
11	.0103	.0100	.0094	.0094	.0083	.0086	.0086	.0090	.0095	.0095	.0095	.0094	.0092	.0093	.0096	.0096	.0097	.0097	.0095	.0105	.0102	.0102	.0107	.0107	.0105	.0096
12	.0105	.0103	.0102	.0102	.0100	.0101	.0102	.0103	.0102	.0100	.0099	.0096	.0094	.0089	.0089	.0087	.0079	.0082	.0079	.0082	.0087	.0084	.0075	.0068	.0063	.0091
13	.0063	.0059	.0053	.0049	.0042	.0042	.0039	.0040	.0037	.0035	.0032	.0029	.0026	.0023	.0024	.0023	.0018	.0016	.0015	.0013	.0012	.0014	.0012	.0011	.0009	.0029
14	.0009	.0009	.0004	.0001	.9998	.9997	.9996	.9998	.9999	.0000	.0000	.0001	.0000	.0000	.9997	.9998	.9994	.9995	.9997	.9998	.0002	.0007	.0010	.0012	.0012	.0001
15	.0012	.0010	.0011	.0011	.0011	.0012	.0015	.0017	.0022	.0026	.0028	.0030	.0033	.0035	.0037	.0039	.0043	.0044	.0047	.0053	.0058	.0067	.0069	.0074	.0078	.0035
16	.0078	.0080	.0082	.0087	.0089	.0093	.0096	.0104	.0110	.0114	.0119	.0122	.0123	.0127	.0129	.0129	.0130	.0133	.0135	.0135	.0136	.0138	.0139	.0140	.0138	.0117
17	.0138	.0137	.0134	.0132	.0129	.0125	.0122	.0123	.0125	.0123	.0121	.0122	.0120	.0117	.0113	.0112	.0113	.0115	.0118	.0123	.0127	.0131	.0132	.0132	.0131	.0124
18	.0131	.0130	.0127	.0125	.0124	.0123	.0127	.0130	.0133	.0140	.0144	.0150	.0158	.0167	.0173	.0182	.0190	.0199	.0207	.0210	.0223	.0229	.0237	.0241	.0242	.0169
19	.0242	.0245	.0246	.0248	.0248	.0250	.0252	.0254	.0257	.0257	.0254	.0253	.0254	.0251	.0250	.0249	.0248	.0247	.0247	.0246	.0247	.0249	.0251	.0251	.0252	.0250
20	.0252	.0251	.0251	.0249	.0251	.0252	.0253	.0253	.0252	.0254	.0250	.0249	.0249	.0248	.0247	.0245	.0242	.0242	.0242	.0241	.0242	.0245	.0243	.0242	.0240	.0247
21	.0240	.0239	.0237	.0235	.0234	.0235	.0235	.0233	.0233	.0231	.0232	.0228	.0224	.0223	.0223	.0222	.0214	.0213	.0210	.0209	.0209	.0211	.0211	.0208	.0206	.0224
22	.0206	.0205	.0199	.0200	.0196	.0194	.0194	.0194	.0194	.0195	.0194	.0192	.0186	.0186	.0181	.0180	.0174	.0173	.0168	.0166	.0164	.0161	.0159	.0157	.0155	.0183
23	.0155	.0150	.0142	.0139	.0138	.0136	.0132	.0132	.0131	.0132	.0131	.0135	.0136	.0133	.0131	.0128	.0126	.0123	.0120	.0121	.0122	.0126	.0130	.0132	.0133	.0132
24	.0133	.0134	.0135	.0138	.0139	.0139	.0138	.0139	.0140	.0141	.0140	.0142	.0142	.0140	.0138	.0136	.0129	.0125	.0119	.0113	.0107	.0105	.0102	.0092	.0086	.0128
25	.0086	.0076	.0063	.0055	.0048	.0041	.0038	.0040	.0044	.0048	.0065	.0072	.0079	.0085	.0088	.0092	.0095	.0097	.0102	.0108	.0111	.0120	.0123	.0126	.0128	.0080
26	.0128	.0127	.0128	.0130	.0131	.0138	.0142	.0146	.0149	.0151	.0154	.0157	.0158	.0159	.0161	.0162	.0164	.0168	.0170	.0174	.0178	.0185	.0188	.0190	.0193	.0157
27	.0193	.0193	.0195	.0196	.0196	.0200	.0205	.0208	.0211	.0213	.0214	.0216	.0216	.0221	.0225	.0225	.0225	.0229	.0232	.0235	.0239	.0244	.0246	.0246	.0245	.0219
28	.0245	.0243	.0240	.0239	.0239	.0238	.0240	.0242	.0243	.0243	.0241	.0240	.0235	.0233	.0233	.0233	.0228	.0224	.0224	.0224	.0224	.0228	.0228	.0227	.0226	.0234
29	.0226	.0223	.0219	.0216	.0214	.0213	.0213	.0214	.0214	.0213	.0210	.0208	.0204	.0206	.0203	.0203	.0200	.0202	.0203	.0204	.0204	.0205	.0205	.0204	.0200	.0209
30	.0200	.0197	.0192	.0189	.0185	.0185	.0183	.0180	.0177	.0176	.0171	.0172	.0170	.0169	.0162	.0159	.0153	.0150	.0148	.0144	.0144	.0144	.0144	.0143	.0138	.0167
31	.0138	.0133	.0130	.0128	.0123	.0122	.0118	.0118	.0119	.0120	.0121	.0123	.0123	.0122	.0123	.0125	.0128	.0132	.0135	.0136	.0142	.0148	.0155	.0160	.0159	.0131
Mean...	1.0 1430	1.0 1404	1.0 1369	1.0 1357	1.0 1335	1.0 1330	1.0 1330	1.0 1345	1.0 1357	1.0 1368	1.0 1376	1.0 1389	1.0 1392	1.0 1394	1.0 1391	1.0 1395	1.0 1380	1.0 1386	1.0 1389	1.0 1399	1.0 1416	1.0 1445	1.0 1454	1.0 1449	1.0 1434	1.0 1387
Normals 1871–1910.	1.0 1457	1.0 1436	1.0 1416	1.0 1396	1.0 1382	1.0 1379	1.0 1396	1.0 1406	1.0 1423	1.0 1430	1.0 1436	1.0 1440	1.0 1443	1.0 1440	1.0 1440	1.0 1430	1.0 1423	1.0 1419	1.0 1419	1.0 1426	1.0 1440	1.0 1464	1.0 1474	1.0 1467	1.0 1457	1.0 1428

(21510—24.) Wt. 41466—310. 250. 10/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY (V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. MAY, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	18	2·7	18	3·1	17	5·4	16	4·5	16	4·9	16	4·9	16	6·3	16	6·3	16	7·2	16	7·6	15	6·7	15	7·2
2	16	9·4	17	8·5	24	6·7	26	6·7	24	5·4	25	6·7	25	7·2	25	7·2	22	7·2	22	8·9	26	5·8	23	8·1
3	16	8·1	16	8·5	18	9·4	18	8·9	18	9·8	20	13·0	20	13·4	20	13·4	23	12·1	23	10·3	20	3·6	23	9·4
4	24	5·8	23	5·4	23	5·4	23	2·2	19	1·8	19	2·2	20	2·2	20	3·1	20	4·5	20	3·6	28	3·6	27	4·5
5	—	1·3	24	3·1	24	3·1	23	3·1	23	3·6	23	3·6	26	5·8	27	5·4	27	4·9	26	4·0	28	3·6		
6	—	1·3	—	0·9	—	0·9	27	1·8	27	2·2	25	1·8	—	0·9	—	1·3	16	2·2	19	3·1	18	3·1	19	3·1
7	15	6·3	15	5·4	15	5·4	15	5·4	15	5·8	15	5·4	15	5·4	15	6·3	15	5·4	15	6·3	15	5·4	15	5·8
8	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	3	2·2	3	4·5	3	4·0	6	5·4	6	5·4	6	5·4
9	8	3·6	8	4·9	9	4·9	10	4·9	9	6·7	9	6·7	9	4·9	9	7·6	8	6·3	9	4·9	9	4·5	10	4·5
10	—	0·9	—	0·9	6	3·6	—	1·3	—	0·9	—	0·9	5	1·8	32	1·8	6	3·6	6	1·8	7	4·5	7	3·1
11	2	1·8	2	1·8	2	4·5	6	4·5	11	1·8	17	1·8	—	1·3	—	0·5	4	1·8	5	1·8	—	1·3	5	2·2
12	—	1·3	6	4·5	6	3·1	4	1·8	4	1·8	—	0·9	—	1·3	5	3·1	2	3·6	5	4·5	3	4·9	5	5·4
13	—	1·3	—	0·5	—	0·9	—	0·0	—	0·9	—	1·3	—	0·5	—	0·5	—	1·3	5	2·2	27	2·2	5	3·1
14	—	0·5	—	0·9	—	0·5	—	0·9	—	0·5	—	0·9	—	0·9	2	3·6	4	4·5	6	5·4	4	3·6	2	5·4
15	—	0·9	—	0·9	—	0·9	32	1·8	1	3·1	32	3·6	32	4·5	32	5·4	32	4·0	32	4·5	32	4·9	32	4·5
16	—	1·3	—	1·3	—	0·9	2	1·8	3	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	24	3·1	24	2·2
17	—	1·3	—	1·3	5	3·1	6	2·2	5	1·8	6	3·1	12	4·5	11	2·7	12	4·9	13	6·3	13	6·7	13	7·2
18	17	6·3	16	5·4	17	4·5	17	5·4	17	4·9	16	4·5	17	3·6	16	4·0	15	4·9	15	3·6	14	3·1	10	4·5
19	—	0·9	—	1·3	8	2·2	—	0·9	8	1·8	6	1·8	—	0·9	—	0·5	—	0·9	30	3·6	30	6·3	30	6·3
20	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	3	1·8	—	0·5	—	0·9	—	0·9	27	1·8	27	2·2	27	4·0
21	—	0·9	—	0·9	—	0·9	—	0·0	—	0·5	—	0·9	—	0·9	31	1·8	31	1·8	29	3·1	29	3·1	27	3·6
22	28	4·0	28	3·6	28	4·5	28	3·1	28	1·8	28	2·2	28	1·8	26	3·1	25	3·6	25	4·5	24	4·5	24	4·5
23	20	4·5	19	5·4	19	6·3	20	5·4	20	6·7	20	7·2	20	7·2	20	8·1	20	8·1	20	7·6	20	7·6	20	7·6
24	20	5·4	20	4·5	20	3·1	20	2·2	19	2·7	18	3·6	17	4·0	17	5·4	17	4·5	17	5·4	18	5·8	18	6·7
25	16	7·2	16	8·1	15	8·1	15	8·1	15	8·9	15	8·5	15	7·6	15	8·1	16	6·7	24	4·5	24	4·0	26	4·5
26	—	1·3	3	3·1	3	4·5	3	4·9	3	4·9	2	6·7	2	5·8	3	6·7	2	7·2	2	6·3	2	6·7	2	7·2
27	—	0·9	—	1·3	—	0·9	—	0·9	—	0·5	3	1·8	2	4·0	2	4·5	32	4·5	32	5·8	30	6·7	30	6·3
28	—	0·5	—	0·5	—	0·5	—	0·5	—	0·9	—	0·5	—	0·0	—	0·0	—	0·5	9	1·8	9	2·2	29	3·1
29	—	0·5	—	0·9	—	0·0	—	0·9	25	1·8	—	0·5	—	0·5	—	0·0	—	0·5	—	1·3	25	1·8	25	3·1
30	2	1·8	—	1·3	2	1·8	—	0·9	—	0·5	2	1·8	—	0·0	—	0·5	—	0·5	28	1·8	26	3·1	26	4·5
31	—	0·0	—	0·0	—	1·3	10	2·2	10	3·1	9	3·1	—	0·0	—	0·0	—	1·3	27	2·2	26	1·8	26	2·7
Mean ...	—	2·7	—	2·9	—	3·2	—	2·9	—	3·0	—	3·3	—	3·2	—	3·8	—	4·1	—	4·4	—	4·5	—	4·9
Normals 1881–1910.	—	4·2	—	4·2	—	4·2	—	4·2	—	4·2	—	4·2	—	4·4	—	4·7	—	5·1	—	5·5	—	5·5	—	6·0

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	15	7·6	15	8·1	15	7·6	15	7·6	15	7·6	15	8·1	15	9·4	15	10·3	15	9·4	15	9·4	15	10·3	15	9·8	7·2	1
2	22	7·2	23	9·8	22	9·8	22	9·4	22	9·4	22	8·9	22	5·8	21	5·8	20	6·7	19	6·7	17	7·2	16	7·6	7·6	2
3	25	9·8	25	11·2	24	10·3	24	9·4	24	8·1	23	9·4	24	8·1	25	8·5	24	6·7	25	7·6	24	8·1	26	6·3	9·7	3
4	19	3·6	17	2·7	17	3·1	19	3·6	23	3·1	25	3·6	27	3·1	27	3·1	28	3·1	27	3·1	27	2·2	25	2·7	3·3	4
5	28	4·0	27	3·1	27	4·0	27	4·5	27	4·5	27	3·1	27	3·1	27	1·8	—	1·3	27	2·2	27	1·8	27	1·8	3·4	5
6	19	4·5	20	4·5	20	4·5	17	4·0	19	3·1	17	3·1	16	3·1	16	3·1	16	4·5	16	4·0	16	4·5	16	4·5	2·9	6
7	15	5·8	15	6·3	15	6·3	15	5·8	15	5·4	16	5·4	17	4·0	26	4·5	—	0·0	—	0·0	—	0·5	—	0·5	4·7	7
8	5	5·4	6	5·8	6	5·4	6	4·9	7	5·4	7	5·4	7	4·5	7	1·8	11	2·7	—	1·3	9	1·8	—	1·3	3·2	8
9	11	5·4	11	5·8	12	5·4	11	4·0	11	4·5	11	3·6	10	4·5	10	5·4	10	5·4	10	4·5	—	0·9	—	0·9	4·8	9
10	11	5·4	11	3·6	23	1·8	23	2·2	26	2·2	27	1·8	27	1·8	—	0·9	—	0·9	—	0·0	—	0·9	—	1·3	2·0	10
11	19	4·0	20	3·1	—	1·3	—	0·5	7	1·8	—	0·5	6	5·4	4	1·8	4	1·8	—	0·9	—	0·9	32	1·8	2·0	11
12	5	5·8	2	5·4	2	4·9	3	3·1	—	0·9	17	1·8	—	1·3	9	1·8	7	1·8	—	0·9	5	1·8	5	2·7	2·9	12
13	31	4·5	20	3·1	—	1·3	—	0·9	29	2·2	8	1·8	32	1·8	—	0·9	3	1·8	—	1·3	—	0·9	—	0·9	1·5	13
14	2	5·8	32	5·8	30	7·2	30	7·6	30	7·6	30	6·7	30	6·7	30	2·2	6	3·1	—	1·3	—	0·0	—	0·9	3·4	14
15	30	5·4	30	5·4	28	5·4	28	5·8	27	5·4	27	4·5	27	4·0	27	3·1	27	1·8	—	0·5	—	0·9	—	0·9	3·4	15
16	24	5·4	24	5·4	24	4·9	24	4·5	24	4·5	24	4·0	24	1·8	—	0·9	—	0·9	24	1·8	24	2·2	24	2·2	2·3	16
17	13	7·2	13	7·6	13	7·6	15	3·6	17	4·5	17	5·4	19	5·4	19	5·4	17	4·5	18	4·5	17	4·5	17	4·9	4·6	17
18	9	4·5	8	4·5	9	3·1	21	3·1	22	3·1	22	3·1	22	2·2	—	0·9	—	0·9	8	1·8	—	0·9	8	1·8	3·5	18
19	30	5·4	30	5·8	30	7·6	30	6·7	30	7·6	30	7·6	30	7·2	32	4·0	3	1·8	—	1·3	—	0·9	—	1·3	3·5	19
20	27	3·6	27	4·5	26	4·0	27	4·5	27	4·9	28	5·4	28	5·4	28	4·5	31	4·0	—	0·9	31	1·8	32	1·8	2·6	20
21	26	4·0	26	3·6	26	3·6	27	3·1	27	4·5	27	4·5	27	3·6	27	4·5	28	6·7	28	5·4	28	4·5	28	4·5	3·0	21
22	24	6·7	23	6·7	23	7·2	23	7·6	22	6·7	22	5·4	22	5·8	22	5·4	22	5·4	21	6·3	20	6·3	20	5·4	4·8	22
23	18	6·7	18	6·7	18	8·1	19	8·1	19	8·1	19	9·4	20	8·9	20	8·5	20	8·5	20	8·1	20	6·7	20	6·3	7·3	23
24	17	6·3	17	6·3	17	6·7	17	6·3	17	5·4	16	6·3	16	6·3	16	6·7	16	7·6	16	7·6	16	7·6	16	7·6	5·6	24
25	26	5·4	26	5·4	27	4·0	27	4·5	28	4·5	28	5·4	28	4·5	28	4·5	28	3·1	28	3·6	28	3·1	—	0·9	5·6	25
26	2	8·1	2	6·7	2	6·7	2	5·4	32	5·8	32	5·4	32	4·5	2	3·6	—	1·3	3	2·7	2	2·2	—	0·9	4·9	26
27	31	6·7	30	8·1	30	8·1	30	8·1	30	8·1	30	6·7	30	4·5	1	3·1	6	1·8	—	0·9	—	0·9	—	0·9	4·0	27
28	29	4·5	29	5·4	28	3·1	28	3·1	28	2·7	27	1·8	—	0·9	—	0·0	—	0·0	—	0·9	—	1·3	—	0·9	1·5	28
29	24	4·5	24	4·5	24	3·1	—	1·3	25	2·7	26	1·8	—	0·5	—	0·0	—	0·0	—	0·0	—	1·3	—	0·9	1·4	29
30	25	2·2	25	2·2	25	1·8	18	3·6	17	2·7	—	0·9	—	0·5	—	0·5	—	0·0	—	0·0	—	0·9	10	1·8	1·5	30
31	26	2·7	26	4·0	26	4·5	26	5·4	26	2·7	26	2·7	26	1·8	—	0·9	—	0·0	—	0·0	—	0·5	—	0·5	1·8	31
Mean ...	—	5·4	—	5·5	—	5·2	—	4·9	—	4·8	—	4·6	—	4·2	—	3·5	—	3·1	—	2·9	—	2·8	—	2·8	3·9	
Normals 1881–1910.	—	6·3	—	6·3	—	6·3	—	6·3	—	6·1	—	5·7	—	5·2	—	4·7	—	4·4	—	4·2	—	4·2	—	4·2	5·0	Normals 1881–1910.

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. MAY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	0·51	—	—	—	—	—	—	1·02	0·76	0·51	0·51	0·76	1·02	1·52	1·02	1·27	1·27	1·27	2·03	13·47
2	2·54	0·51	0·25	0·25	—	—	—	0·25	0·51	—	—	0·76	—	—	—	—	—	—	—	—	—	0·25	1·27		6·59
3	1·78	4·57	3·05	2·79	2·03	1·02	2·03	2·03	2·54	1·52	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	24·12
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·75
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	0·25	0·51	0·76	0·76	—	0·25	—	—	—	—	—	0·25	—	—	—	—	—	—	0·51	—	0·25	—	—	3·54
8	—	0·25	—	0·25	—	—	—	—	—	—	—	—	1·02	0·76	0·76	0·76	—	—	—	—	—	—	—	—	3·80
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	1·02	0·51	—	—	—	—	—	—	—	—	1·02	0·76	3·30	0·51	—	—	2·28	0·51	0·25	—	—	—	10·16
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	1·52	—	—	0·25	—	—	2·28
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	0·25	—	1·02	2·54	—	—	—	—	—	—	—	0·25	—	4·06
18	0·25	0·25	0·51	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·26
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	0·25	—	—	0·25	—	0·51	—	—	0·25	—	0·25	—	0·51	—	—	—	—	0·25	2·27
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	4·32	0·25	1·78	2·03	1·02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·40
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	0·25
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	4·57	5·83	5·59	4·81	3·04	5·85	3·29	4·31	5·08	2·79	0·51	1·52	3·31	3·30	7·36	1·78	1·52	1·27	5·83	2·04	1·52	2·02	1·77	3·55	82·46
Normals 1871–1910.	3·33	3·83	4·49	4·29	4·06	4·14	4·19	3·66	3·73	3·38	2·03	3·17	2·79	2·59	2·95	2·90	3·10	2·74	3·17	2·97	2·79	3·05	2·69	3·33	79·37

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. MAY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and misty, with ● P.M.
2	—	—	·5	·7	1·0	·9	·7	·6	·8	1·0	1·0	1·0	1·0	·8	·7	·1	—	10·8	Showery and bright alternately.
3	—	—	—	—	—	—	—	—	·7	1·0	1·0	·7	1·0	·8	·4	·2	—	5·8	●[2] early, then gloomy-looking to fair.
4	—	—	—	—	—	—	—	—	—	—	—	·2	·3	·6	·2	—	—	1·3	Dull day; improving after 16h.
5	—	—	—	—	—	—	—	·1	—	—	·2	—	—	—	—	—	—	0·3	≋[9]; very cloudy.
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, but good visibility.
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast, ≋[9] and ●[9].
8	—	—	—	—	·1	—	—	—	—	—	—	—	—	—	—	—	—	0·1	Dull, with ≋[9] and ●[9].
9	—	—	1·0	1·0	1·0	·8	·4	—	·3	·9	·7	·4	·9	1·0	1·0	·5	—	9·9	Fair.
10	—	—	·4	·6	—	—	·7	·9	·9	1·0	·7	·8	·8	·7	·1	—	—	7·6	Fine day, but hazy.
11	—	—	·1	—	·1	·9	1·0	1·0	·5	—	—	—	—	—	—	—	—	3·6	Fine to showery, with ⚲ after 13h.
12	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	·3	—	—	—	—	—	8·7	☰; fine day; ⚲ in evening with ●.
13	—	·3	·8	4	·9	1·0	·7	·3	·9	·5	—	·1	·3	—	—	—	—	6·2	☰; fine to thundery-looking.
14	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	—	13·8	Bright, sunny day.
15	—	—	—	—	—	—	—	—	—	·2	·2	·5	·9	1·0	1·0	1·0	—	4·8	Fair.
16	—	—	—	—	—	·5	·1	—	·2	·9	1·0	1·0	1·0	1·0	1·0	·9	—	7·6	Fair to fine.
17	—	—	·3	—	—	·1	·3	—	—	—	—	—	·8	·5	·1	—	—	2·1	≋[9], but fair to gloomy, with ● at 15h.
18	—	—	—	—	·7	·4	·6	·7	·5	·8	·3	·3	·4	·1	·9	·8	—	6·5	Fair.
19	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	14·3	⚲; fine.
20	—	·5	1·0	1·0	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	13·9	⚲; fine.
21	—	—	·7	·2	—	—	·3	1·0	1·0	·5	·4	·5	1·0	·3	—	—	—	5·9	Dull to fair.
22	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	·3	·6	—	—	12·5	Fine day; becoming cloudy in evening.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day; ≋[9], ●[9].
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Very dull, with heavy mist.
25	—	—	—	—	—	—	—	—	—	—	—	—	·3	·8	·4	·8	·2	2·5	A.M. ≋[9] and ●; P.M. fair.
26	—	—	·5	·8	·6	·6	·7	·5	·3	·5	·2	·1	·6	·9	·7	1·0	·1	8·1	Fair to fine; N.N.Ely. wind.
27	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	14·9	Fine and bright all day.
28	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	—	—	—	12·3	Fine day; becoming dull in evening.
29	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·5	1·0	—	13·6	☰[9]; fine; distant ⚳ heard in afternoon.
30	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	14·7	☰[9]; fine.
31	—	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	14·5	Fine but hazy; ≋[9] at night.
Total.	—	6·1	14·3	13·7	13·9	15·1	15·5	15·1	16·1	17·2	14·8	14·9	17·3	16·0	14·0	11·5	0·8	216·3	Total.
Normals 1881-1910.	0·02	4·70	11·47	13·68	14·39	15·15	15·75	15·96	16·48	16·55	16·46	16·46	15·88	14·85	12·52	6·75	0·18	207·23	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. MAY, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	81·8	81·3	82·2	82·9	83·1	83·1	83·2	83·3	83·5	84·0	84·0	84·0	84·1	84·0	84·3	83·9	83·6	83·5	83·5	83·5	83·4	83·4	83·5	83·7	83·8	83·4
2	83·8	83·9	84·2	82·6	81·8	81·5	80·9	81·7	80·4	82·5	82·9	82·1	82·8	82·9	83·7	84·1	84·2	84·0	83·4	82·4	81·6	81·8	82·2	82·3	82·0	82·6
3	82·0	82·2	82·3	82·9	83·2	83·4	83·6	83·9	83·9	84·0	82·6	82·3	82·5	83·7	83·7	83·9	83·5	84·0	83·1	82·4	81·5	81·3	81·7	81·7	81·2	82·9
4	81·2	81·5	81·3	81·3	81·0	80·6	81·1	81·8	82·3	83·5	84·3	84·5	84·8	85·1	84·1	84·3	85·6	85·2	84·2	83·5	83·1	82·8	82·5	82·5	82·1	83·0
5	82·1	82·4	82·7	82·8	82·9	83·1	83·2	83·5	83·8	84·0	83·9	84·5	85·3	84·6	84·9	85·6	85·1	85·1	84·6	84·3	83·9	83·4	83·7	83·7	83·5	83·9
6	83·5	83·5	83·5	83·5	83·3	83·3	83·2	83·5	83·8	84·5	84·3	85·2	85·7	86·0	86·3	85·7	85·5	85·2	84·9	84·6	84·1	83·7	83·5	83·7	83·5	84·3
7	83·5	83·4	83·2	83·2	83·1	83·0	82·9	82·9	83·1	83·5	83·7	83·8	83·8	84·0	83·9	84·0	84·2	84·3	84·3	84·3	82·9	82·8	82·7	82·8	82·8	83·5
8	82·8	82·6	82·3	82·3	82·2	*82·1*	*82·0*	82·4	82·5	83·7	84·6	84·2	84·5	84·0	84·0	84·1	84·1	84·2	83·9	84·1	84·0	84·1	83·3	83·0	83·2	83·4
9	83·2	83·7	84·2	84·1	83·9	84·2	84·4	85·2	86·1	86·0	86·6	86·4	87·6	88·4	88·8	88·2	88·4	89·0	88·8	87·9	86·8	86·3	85·9	84·0	83·6	86·2
10	83·6	83·5	84·4	86·0	85·0	84·8	84·2	85·1	86·7	88·5	89·3	91·0	91·5	91·8	92·0	89·1	89·0	88·5	87·4	86·0	85·7	84·6	84·2	84·6	83·6	86·9
11	83·6	82·8	82·3	81·9	84·9	85·9	84·5	85·7	86·5	88·1	90·2	91·3	91·3	90·4	86·5	86·7	87·0	87·5	87·8	87·8	86·5	86·4	86·8	86·7	87·0	86·7
12	87·0	87·2	86·8	87·5	86·9	86·2	87·1	88·6	89·6	89·9	91·0	91·3	91·4	92·3	91·7	90·9	91·2	89·8	87·8	88·4	87·4	87·6	87·1	87·0	86·6	88·8
13	86·6	86·0	85·3	85·1	85·1	84·5	84·7	85·7	86·8	88·7	89·9	90·2	91·4	91·3	89·1	88·7	90·0	91·1	90·3	88·1	88·7	88·2	87·5	85·6	84·6	87·8
14	84·6	84·8	84·8	85·0	84·3	83·6	83·5	85·6	87·5	88·2	88·4	88·7	88·6	89·1	89·2	87·9	87·7	88·1	87·0	86·0	84·9	85·1	84·3	83·8	83·2	86·3
15	83·2	81·7	82·3	82·9	83·1	83·1	83·4	83·4	83·8	84·3	84·5	85·1	85·2	85·6	85·7	86·0	85·6	86·7	85·1	84·6	83·8	82·6	82·1	81·8	81·7	84·0
16	81·7	81·8	79·9	79·5	78·8	78·9	79·6	81·2	82·3	84·5	85·7	85·7	86·8	86·7	86·4	86·3	86·8	86·7	86·0	85·4	84·4	82·6	81·7	81·0	80·4	83·3
17	80·4	80·1	80·0	79·3	79·8	79·9	81·5	84·3	84·6	85·1	86·1	86·3	84·9	85·7	85·8	85·6	84·9	85·7	86·0	84·5	84·1	83·6	82·8	82·9	82·5	83·5
18	82·5	82·2	82·1	82·3	82·4	82·8	83·1	83·5	84·2	85·0	85·4	87·1	87·3	87·3	88·3	88·4	87·5	88·3	86·5	86·8	85·3	83·9	83·2	82·3	81·4	84·9
19	81·4	81·0	80·4	80·3	79·6	79·5	80·6	83·1	85·2	87·2	87·9	87·5	88·1	88·7	89·0	88·2	87·9	87·8	86·5	85·9	85·9	84·5	84·1	83·1	83·4	84·8
20	83·4	83·5	81·7	81·3	81·6	81·5	81·4	83·5	85·4	86·0	87·2	88·3	86·6	86·5	86·7	87·4	87·0	87·3	86·0	85·1	84·2	83·5	83·2	82·6	82·7	84·6
21	82·7	82·3	81·1	80·7	81·0	82·0	82·2	83·5	84·3	84·9	84·3	84·8	86·0	86·5	85·9	86·5	86·4	87·9	86·0	85·2	85·1	85·2	84·9	84·3	83·9	84·3
22	83·9	83·6	83·5	83·5	83·0	82·4	82·7	84·2	85·5	86·1	86·5	86·4	86·9	86·5	86·2	86·8	87·3	86·2	86·0	85·5	84·8	84·9	85·0	85·0	84·9	85·1
23	84·9	84·8	84·5	84·8	84·9	84·9	85·0	85·1	85·2	85·4	85·4	85·5	85·6	86·1	85·7	86·2	86·0	86·2	86·1	85·9	85·6	85·6	85·4	85·3	85·3	85·4
24	85·3	85·4	85·3	85·1	85·0	85·3	85·3	85·7	85·6	85·7	86·1	86·3	86·6	87·5	87·0	86·8	86·8	86·1	85·7	85·6	85·3	85·2	84·9	85·0	84·9	85·8
25	84·9	85·0	84·9	84·8	84·8	84·7	84·8	84·5	84·6	85·0	83·5	84·1	84·4	84·3	84·6	84·3	84·8	84·9	84·6	84·1	83·7	82·7	82·3	81·9	81·2	84·2
26	81·2	80·6	80·6	81·9	82·1	82·0	82·7	84·1	84·3	84·2	84·9	85·1	86·0	86·2	86·3	86·4	86·0	86·4	86·0	85·6	84·9	83·5	83·2	83·4	82·8	84·1
27	82·8	82·8	82·3	82·0	82·3	81·6	83·1	84·2	84·8	85·4	86·2	86·3	86·7	87·0	86·1	86·6	87·0	86·8	86·2	86·2	85·3	83·8	83·5	82·6	82·2	84·6
28	82·2	81·8	80·4	80·6	81·0	80·4	81·4	85·0	86·7	87·4	89·1	90·2	90·6	90·7	90·8	90·2	91·1	90·4	90·0	88·7	87·9	87·3	86·7	85·7	84·9	86·6
29	84·9	84·3	83·8	83·8	83·2	83·9	83·5	86·0	87·9	88·9	91·2	92·3	93·6	91·7	91·1	91·8	92·5	93·7	89·3	89·3	88·8	87·8	86·6	86·0	85·4	88·2
30	85·4	84·9	84·0	84·3	83·7	84·3	84·3	86·9	89·3	90·1	90·7	91·0	90·6	91·3	91·3	92·4	93·1	93·5	92·0	91·3	89·8	87·1	86·1	85·5	83·9	88·4
31	83·9	82·9	82·7	82·3	81·2	81·3	83·2	86·3	87·3	89·1	89·0	90·3	90·1	90·6	91·4	91·0	90·2	90·4	89·5	88·5	87·4	85·9	85·9	86·0	86·1	87·0
Mean ...	83·4	83·1	82·9	82·9	82·8	82·8	83·1	84·3	85·1	85·9	86·4	86·8	87·1	87·3	87·1	87·0	87·1	87·2	86·4	85·9	85·2	84·6	84·2	83·9	83·5	85·1
Normals 1871–1910.	82·8	82·6	82·4	82·3	82·2	82·1	82·3	83·1	83·9	84·7	85·2	85·7	86·0	86·2	86·3	86·4	86·3	86·1	85·6	85·1	84·3	83·8	83·4	83·1	82·9	84·3

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MAY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	96	96	96	96	96	96	95	95	94	92	91	92	93	94	95	95	97	98	98	97	98	99	99	98	98	95·7
2	98	98	98	96	92	94	84	79	85	82	82	82	68	79	73	76	73	72	71	80	82	80	80	85	92	82·8
3	92	93	95	97	94	95	96	95	96	94	93	92	90	78	74	74	79	76	81	81	79	84	85	81	79	87·0
4	79	85	86	89	88	90	89	90	90	85	82	83	83	84	93	94	88	85	89	94	90	94	95	93	97	88·7
5	97	98	97	98	94	99	100	100	98	98	95	93	87	91	91	85	88	89	92	93	96	98	98	98	99	94·7
6	99	98	99	99	100	99	98	99	94	93	95	91	89	84	83	85	88	87	90	91	92	93	94	93	94	93·0
7	94	95	96	98	98	99	99	99	99	97	97	96	98	96	98	97	99	96	97	96	97	97	98	97	98	97·3
8	98	97	97	94	95	*95*	*93*	86	82	81	77	81	81	87	91	89	92	91	93	91	93	93	90	90	88	89·7
9	88	77	68	68	73	73	71	70	69	65	63	63	62	64	57	54	59	55	58	62	62	61	61	74	72	65·4
10	72	71	68	61	70	70	76	73	71	71	73	64	69	65	60	79	81	76	80	85	86	92	91	87	93	75·1
11	93	95	95	96	90	84	92	90	88	85	72	72	71	76	91	94	94	93	96	74	86	87	85	85	82	86·6
12	82	83	84	76	76	83	80	78	75	71	69	66	71	68	68	70	67	78	89	85	91	86	90	83	78	77·8
13	78	83	90	90	91	90	91	94	94	85	84	78	68	70	83	83	79	73	78	84	80	78	80	93	93	83·5
14	93	95	96	93	96	94	97	93	82	76	76	72	71	69	70	80	79	74	78	84	89	85	85	88	88	83·9
15	88	94	95	90	89	90	88	89	84	83	80	76	76	71	66	64	65	64	70	69	76	81	86	88	88	80·1
16	88	88	92	92	96	94	96	92	90	78	76	79	70	70	72	80	72	73	78	78	82	88	89	90	90	83·5
17	90	92	90	92	92	94	85	73	70	68	68	64	82	76	83	86	94	89	83	80	79	83	83	87	90	82·6
18	90	92	96	97	97	94	95	95	94	91	85	81	76	74	69	67	78	75	82	84	88	89	91	93	95	86·5
19	95	95	96	96	97	95	96	92	91	85	78	78	77	72	67	69	75	75	80	82	76	83	81	89	84	83·9
20	84	90	94	93	95	94	93	93	89	87	85	81	83	83	80	76	75	74	79	81	83	86	90	93	90	86·0
21	90	93	94	97	97	96	97	94	87	80	81	80	81	75	78	77	73	72	80	92	93	90	90	89	91	86·5
22	91	92	92	91	89	87	89	81	78	76	72	73	76	74	75	75	72	73	78	78	85	88	89	88	91	81·8
23	91	91	91	91	91	89	90	93	97	95	97	98	98	95	97	93	96	94	96	96	97	97	97	98	98	94·6
24	98	97	96	97	99	98	98	98	99	99	99	97	96	94	95	94	96	95	97	97	98	99	95	93	93	96·7
25	93	90	91	90	89	90	89	96	97	95	95	97	89	82	81	79	73	72	75	73	77	74	81	80	87	85·3
26	87	90	87	81	79	82	80	77	76	74	73	69	54	64	63	63	66	66	65	68	72	79	79	80	82	74·2
27	82	81	85	89	90	90	89	85	79	73	70	74	72	66	72	67	63	66	69	62	64	74	75	81	82	75·8
28	82	84	89	90	86	88	88	78	76	73	74	71	60	63	59	70	67	66	71	79	85	86	87	93	94	78·0
29	94	93	95	97	92	93	93	91	84	84	76	76	71	77	75	74	75	65	80	84	84	87	91	92	93	84·3
30	93	93	95	94	95	92	93	91	88	82	83	76	80	81	78	70	63	57	65	68	72	81	86	86	89	81·7
31	89	93	93	92	93	93	89	89	83	67	80	75	79	73	77	75	80	79	82	84	86	91	91	95	96	84·6
Mean ...	89·8	90·7	91·5	91·0	90·9	91·0	90·6	88·6	86·4	82·7	81·3	79·7	78·4	77·3	77·9	78·5	78·9	77·4	81·3	82·3	84·5	86·5	87·5	89·0	89·8	84·7
Normals 1886-1910.	86·5	87·0	87·0	87·4	87·7	87·8	87·4	85·3	81·9	78·7	76·9	75·1	74·2	74·1	73·7	74·1	74·0	74·2	76·5	78·6	81·4	83·6	85·0	86·0	86·6	81·0

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** MAY, 1911.

Heights above Mean Sea Level : Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground : Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{ 1+...+23+\frac{1}{2}(0+24) \right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE AND TEMPERATURE. MAY, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0163	·0127	89·5	78·4	9	·0189	·0127	92·9	80·2	17	·0142	·0114	93·8	83·5	25	·0180	·0124	96·2	82·4
2	·0160	·0095	86·8	80·0	10	·0137	·0080	95·3	81·8	18	·0206	·0139	89·6	83·4	26	·0138	·0110	92·5	87·0—
3	·0133	·0051	85·8	78·2	11	·0098	·0068	94·7	82·8	19	·0214	·0194	86·0	82·1	27	·0215	·0137	96·1	86·4
4	·0154	·0072	88·1	78·9	12	·0084	·0050	92·2	82·3	20	·0235	·0202	83·8—	81·1	28	·0234	·0206	96·2	84·5
5	·0227	·0153	88·1	77·5	13	·0053	**·0015**	95·1	83·7	21	·0229	·0193	84·7	77·6	29	·0210	·0177	97·4	85·4
6	**·0255**	·0227	89·0	79·1	14	·0038	·0016	89·1	84·8	22	·0193	·0141	93·2	**74·8**	30	·0187	·0134	95·2	83·8
7	·0251	·0215	91·0	76·0	15	·0077	·0036	90·9	83·2	23	·0165	·0148	91·4	81·5	31	·0147	·0117	**97·6**	86·5
8	·0222	·0185	91·1	81·4	16	·0121	·0077	94·1	82·9	24	·0187	·0158	93·6	85·6	Mean.	—	—	91·6	81·8

TABLE II.

KEW. MAY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0127	·0132	·0136	·0139	·0141	·0145	·0151	·0155	·0159	·0158	·0158	·0158	·0155	·0155	·0155	·0155	·0155	·0152	·0154	·0156	·0161	·0161	·0162	·0162	·0160	·0152
2	·0160	·0154	·0152	·0149	·0141	·0138	·0134	·0132	·0127	·0124	·0124	·0119	·0116	·0113	·0109	·0103	·0099	·0098	·0096	·0096	·0099	·0102	·0109	·0115	·0120	·0120
3	·0120	·0122	·0126	·0126	·0129	·0132	·0131	·0131	·0129	·0126	·0118	·0109	·0101	·0095	·0085	·0076	·0065	·0060	·0056	·0052	·0053	·0054	·0062	·0067	·0072	·0096
4	·0072	·0075	·0080	·0083	·0087	·0091	·0102	·0105	·0110	·0112	·0115	·0117	·0117	·0120	·0121	·0120	·0120	·0121	·0126	·0131	·0139	·0143	·0148	·0152	·0154	·0115
5	·0154	·0153	·0154	·0157	·0160	·0163	·0167	·0171	·0171	·0176	·0178	·0179	·0179	·0183	·0183	·0187	·0189	·0191	·0197	·0200	·0210	·0214	·0220	·0225	·0227	·0183
6	·0227	·0228	·0228	·0230	·0236	·0240	·0246	·0248	·0250	·0250	·0251	·0251	·0248	·0247	·0243	·0240	·0240	·0241	·0243	·0244	·0248	·0250	·0251	·0252	·0250	·0243
7	·0250	·0250	·0250	·0243	·0244	·0244	·0246	·0247	·0247	·0246	·0244	·0238	·0234	·0228	·0224	·0221	·0216	·0216	·0218	·0219	·0223	·0224	·0223	·0221	·0222	·0233
8	·0222	·0220	·0219	·0218	·0215	·0216	·0218	·0219	·0219	·0218	·0215	·0211	·0206	·0200	·0193	·0190	·0187	·0186	·0188	·0189	·0191	·0193	·0194	·0191	·0189	·0204
9	·0189	·0183	·0174	·0171	·0171	·0170	·0171	·0173	·0170	·0166	·0162	·0158	·0151	·0144	·0137	·0132	·0130	·0127	·0128	·0131	·0135	·0138	·0140	·0139	·0136	·0153
10	·0136	·0132	·0129	·0124	·0123	·0122	·0124	·0123	·0123	·0122	·0118	·0112	·0104	·0097	·0089	·0084	·0082	·0081	·0083	·0089	·0096	·0096	·0096	·0094	·0093	·0107
11	·0093	·0089	·0094	·0092	·0092	·0094	·0094	·0094	·0097	·0096	·0093	·0090	·0087	·0082	·0076	·0068	·0079	·0075	·0075	·0077	·0081	·0085	·0085	·0084	·0082	·0086
12	·0082	·0078	·0079	·0079	·0079	·0079	·0081	·0082	·0084	·0082	·0081	·0081	·0077	·0075	·0070	·0062	·0055	·0053	·0051	·0052	·0054	·0055	·0056	·0053	·0053	·0069
13	·0053	·0047	·0043	·0041	·0039	·0038	·0040	·0043	·0048	·0046	·0043	·0040	·0037	·0033	·0029	·0023	·0022	·0017	·0020	·0022	·0031	·0031	·0033	·0031	·0027	·0035
14	·0027	·0023	·0022	·0022	·0020	·0018	·0019	·0021	·0022	·0022	·0021	·0020	·0017	·0017	·0018	·0017	·0018	·0017	·0017	·0019	·0023	·0028	·0035	·0036	·0037	·0022
15	·0037	·0037	·0038	·0038	·0040	·0043	·0045	·0048	·0052	·0054	·0057	·0056	·0058	·0058	·0058	·0059	·0057	·0056	·0056	·0056	·0061	·0067	·0072	·0074	·0077	·0054
16	·0077	·0080	·0080	·0082	·0084	·0088	·0094	·0099	·0102	·0103	·0105	·0104	·0104	·0102	·0100	·0098	·0098	·0100	·0102	·0104	·0111	·0116	·0119	·0119	·0121	·0100
17	·0121	·0121	·0121	·0119	·0121	·0123	·0124	·0125	·0125	·0124	·0123	·0123	·0122	·0120	·0117	·0115	·0114	·0116	·0117	·0120	·0128	·0131	·0136	·0140	·0140	·0123
18	·0140	·0140	·0140	·0143	·0144	·0149	·0153	·0155	·0159	·0159	·0163	·0166	·0166	·0168	·0168	·0169	·0169	·0171	·0175	·0181	·0186	·0192	·0198	·0201	·0205	·0166
19	·0205	·0205	·0208	·0208	·0209	·0208	·0211	·0213	·0214	·0213	·0209	·0208	·0206	·0206	·0206	·0205	·0200	·0197	·0196	·0198	·0201	·0205	·0207	·0209	·0208	·0206
20	·0208	·0207	·0204	·0202	·0203	·0205	·0206	·0208	·0210	·0210	·0215	·0216	·0219	·0219	·0217	·0217	·0217	·0219	·0222	·0222	·0226	·0230	·0233	·0230	·0229	·0216
21	·0229	·0227	·0226	·0222	·0223	·0223	·0225	·0224	·0223	·0222	·0221	·0219	·0215	·0212	·0210	·0205	·0202	·0201	·0199	·0193	·0195	·0197	·0197	·0195	·0193	·0212
22	·0193	·0192	·0185	·0181	·0182	·0180	·0178	·0178	·0180	·0175	·0172	·0169	·0164	·0159	·0156	·0149	·0145	·0142	·0142	·0143	·0146	·0149	·0150	·0150	·0150	·0164
23	·0150	·0149	·0149	·0149	·0149	·0150	·0156	·0159	·0161	·0158	·0155	·0156	·0152	·0149	·0152	·0152	·0152	·0153	·0156	·0159	·0161	·0164	·0165	·0165	·0164	·0155
24	·0164	·0162	·0162	·0159	·0163	·0165	·0169	·0173	·0177	·0179	·0181	·0183	·0182	·0179	·0178	·0179	·0182	·0181	·0182	·0183	·0184	·0185	·0185	·0182	·0180	·0176
25	·0180	·0176	·0174	·0170	·0171	·0170	·0172	·0171	·0171	·0166	·0161	·0158	·0154	·0149	·0143	·0139	·0134	·0129	·0128	·0126	·0128	·0129	·0131	·0128	·0124	·0151
26	·0124	·0116	·0115	·0110	·0114	·0116	·0118	·0119	·0117	·0117	·0119	·0118	·0114	·0117	·0118	·0119	·0117	·0115	·0118	·0122	·0130	·0130	·0136	·0137	·0137	·0120
27	·0137	·0141	·0139	·0139	·0143	·0149	·0155	·0159	·0167	·0167	·0172	·0170	·0170	·0166	·0169	·0171	·0175	·0178	·0186	·0193	·0201	·0208	·0211	·0213	·0215	·0172
28	·0215	·0214	·0214	·0216	·0218	·0222	·0226	·0231	·0234	·0231	·0230	·0228	·0225	·0223	·0219	·0215	·0211	·0210	·0207	·0208	·0209	·0211	·0214	·0211	·0208	·0218
29	·0208	·0206	·0204	·0202	·0203	·0204	·0205	·0206	·0205	·0201	·0198	·0195	·0192	·0188	·0186	·0182	·0179	·0178	·0179	·0179	·0182	·0185	·0189	·0189	·0187	·0193
30	·0187	·0184	·0180	·0177	·0176	·0174	·0173	·0170	·0168	·0163	·0159	·0156	·0148	·0146	·0146	·0144	·0141	·0141	·0138	·0137	·0137	·0138	·0138	·0136	·0136	·0155
31	·0136	·0132	·0128	·0125	·0130	·0131	·0135	·0134	·0135	·0136	·0135	·0132	·0129	·0126	·0121	·0119	·0121	·0125	·0133	·0136	·0137	·0132	·0142	·0144	·0147	·0132
Mean...	1·0 1491	1·0 1476	1·0 1469	1·0 1457	1·0 1468	1·0 1481	1·0 1506	1·0 1521	1·0 1534	1·0 1523	1·0 1515	1·0 1497	1·0 1467	1·0 1444	1·0 1418	1·0 1392	1·0 1378	1·0 1370	1·0 1383	1·0 1399	1·0 1441	1·0 1465	1·0 1496	1·0 1498	1·0 1498	1·0 1462
Normals 1871–1910.	1·0 1491	1·0 1477	1·0 1467	1·0 1453	1·0 1447	1·0 1460	1·0 1477	1·0 1487	1·0 1494	1·0 1491	1·0 1484	1·0 1474	1·0 1457	1·0 1440	1·0 1426	1·0 1406	1·0 1396	1·0 1392	1·0 1402	1·0 1423	1·0 1460	1·0 1487	1·0 1501	1·0 1501	1·0 1494	1·0 1458

(21508—24.) Wt. 41466—310. 375. 11/11. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY (V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. MAY, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	—	1·3	—	0·9	25	1·8	25	1·8	—	1·3	—	0·9	—	1·3	—	1·3	20	1·8	19	3·6	22	3·1	25	3·1
2	19	4·5	18	4·0	20	4·0	18	4·5	18	3·1	18	4·0	18	5·4	17	5·4	17	7·2	18	8·1	19	8·9	17	8·5
3	23	2·2	23	2·2	23	1·8	21	2·2	21	2·7	21	3·1	19	4·5	20	5·4	19	6·3	19	8·5	19	9·4	19	11·6
4	23	2·7	23	2·2	23	1·8	23	2·2	23	1·8	23	2·7	25	3·1	26	3·6	22	3·6	26	3·6	24	4·5	24	4·5
5	25	1·8	—	1·3	—	1·3	—	1·3	25	1·8	25	1·8	25	1·8	25	2·7	25	3·1	27	2·7	—	1·3	25	2·2
6	29	1·8	—	1·3	29	1·8	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	1·3	1	1·8	1	1·8	1	1·8
7	—	0·0	—	0·0	—	0·5	—	0·0	—	0·5	—	0·0	—	0·9	—	0·9	—	0·9	—	0·9	17	1·8	21	1·8
8	—	0·9	—	0·5	—	0·9	—	0·9	—	1·3	13	1·8	13	1·8	13	1·8	—	1·3	13	1·8	9	1·8	8	4·0
9	8	2·2	4	3·6	4	3·1	4	2·2	4	1·8	4	3·1	5	4·0	3	3·1	3	3·6	3	4·5	3	6·7	4	5·8
10	1	3·1	1	3·1	1	3·6	1	4·5	1	2·2	1	4·0	2	4·0	1	3·1	1	4·5	2	4·5	3	4·5	4	4·9
11	32	2·7	4	4·0	1	4·5	3	2·2	3	2·2	2	1·8	2	3·1	31	2·2	32	3·1	31	2·7	1	2·7	2	2·7
12	2	2·2	2	2·2	2	4·0	2	3·1	1	4·0	1	3·1	32	2·7	1	3·6	32	2·2	32	2·7	32	2·2	32	2·7
13	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	1	1·8	—	1·3	32	1·8	—	1·3	—	0·9	20	1·8
14	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·0	—	0·0	—	0·0	—	0·5	—	0·9	19	1·8
15	20	1·8	20	3·1	20	1·8	—	1·3	—	0·9	—	0·9	20	3·1	20	2·2	20	1·8	20	2·7	21	1·8	23	1·8
16	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	0·5	—	0·5	18	1·8	18	2·2	1	1·8	1	1·8
17	—	0·0	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	2	1·8	2	1·8	32	3·1	2	3·6	5	3·6	6	3·6
18	10	1·8	10	1·8	8	1·8	—	1·3	7	1·8	8	1·8	—	0·9	—	0·9	3	1·8	3	2·2	—	1·3	4	2·2
19	2	3·6	32	3·6	2	3·6	2	2·2	2	1·8	2	2·2	32	2·7	32	3·1	32	3·1	1	4·0	1	3·1	2	3·6
20	1	2·7	32	3·1	1	4·9	32	4·0	32	4·5	32	4·0	32	5·4	31	5·8	32	5·4	32	5·8	1	4·9	1	4·5
21	2	4·0	1	4·0	32	3·1	1	2·7	1	3·1	1	3·1	1	3·1	1	2·7	31	2·2	31	1·8	31	1·8	32	2·2
22	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	27	1·8	—	1·3	20	2·2	20	2·7	18	3·1	18	3·6
23	17	1·8	17	1·8	—	1·3	—	0·9	17	2·2	19	2·2	25	2·7	21	1·8	21	2·2	22	4·0	23	3·1	24	3·6
24	19	3·1	20	2·7	20	3·6	21	4·0	21	3·6	20	3·1	20	3·6	22	3·1	22	4·5	22	4·9	22	4·5	20	5·4
25	—	0·5	—	0·5	—	0·5	—	0·0	—	0·0	—	0·9	17	1·8	—	0·9	—	0·9	—	1·3	—	0·9	17	1·8
26	6	3·1	6	4·0	6	3·6	26	1·8	26	1·8	—	1·3	1	1·8	1	1·8	1	2·7	1	1·8	31	2·7	32	4·9
27	7	2·2	—	1·3	—	1·3	—	1·3	7	1·8	2	1·8	2	1·8	2	1·8	2	1·8	—	0·9	—	0·5	—	1·3
28	6	1·8	—	1·3	—	1·3	—	1·3	6	1·8	6	2·7	6	3·1	4	4·0	3	4·9	4	6·3	6	5·4	4	5·4
29	3	4·5	3	4·5	1	3·6	3	4·0	3	3·6	3	3·1	3	3·1	3	3·1	2	3·6	2	4·9	4	5·4	4	5·8
30	1	2·7	1	3·1	1	2·7	1	3·1	1	2·2	1	2·7	32	2·7	32	2·7	1	4·0	32	5·4	1	4·9	3	6·7
31	1	1·8	1	1·8	1	1·8	1	1·8	1	1·8	1	1·8	—	1·3	—	1·3	32	1·8	27	1·8	—	0·9	—	1·3
Mean ...	—	2·1	—	2·1	—	2·2	—	1·9	—	1·8	—	2·0	—	2·4	—	2·4	—	2·9	—	3·3	—	3·2	—	3·8
Normals, 1881–1910.	—	2·3	—	2·3	—	2·2	—	2·2	—	2·2	—	2·6	—	3·2	—	3·6	—	4·0	—	4·3	—	4·6	—	4·7

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second, the direction is omitted, the record not being trustworthy in very light airs.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
22	4·5	24	5·4	23	4·9	25	4·5	23	4·5	20	5·4	21	4·5	21	3·1	18	3·1	20	4·0	20	3·6	20	4·0	3·1	1
17	9·4	17	8·1	18	8·9	18	9·4	17	8·5	17	6·7	18	5·4	19	3·6	20	3·6	23	2·2	22	2·7	23	1·8	5·7	2
20	10·7	19	10·7	19	13·0	19	10·7	19	10·3	19	9·8	19	10·3	20	9·8	20	8·1	24	4·5	24	3·1	23	3·1	6·8	3
26	3·6	26	3·6	24	4·0	24	3·6	25	3·1	27	2·7	—	0·9	—	0·9	25	1·8	25	1·8	25	2·2	25	1·8	2·8	4
25	3·6	23	2·7	23	3·1	23	1·8	26	3·1	29	2·2	—	1·3	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	1·9	5
9	1·8	9	1·8	9	3·6	7	4·5	8	4·5	10	3·1	10	3·1	10	1·8	10	1·8	10	1·8	—	0·5	—	0·0	1·8	6
18	2·7	18	3·1	18	1·8	18	3·1	16	4·9	16	4·5	17	3·1	—	1·3	—	0·5	—	0·0	—	0·9	—	1·3	1·4	7
9	4·0	7	4·5	6	4·0	7	4·5	7	5·8	8	6·7	8	4·5	8	3·1	8	5·4	8	4·0	8	3·1	8	3·1	3·0	8
3	5·4	3	6·7	5	6·7	6	6·7	5	5·4	7	5·4	6	5·4	5	5·8	3	4·0	3	2·7	3	3·6	1	4·0	4·4	9
3	4·9	4	4·9	3	5·4	6	4·9	8	4·5	8	4·5	9	3·1	9	1·8	3	2·2	3	2·7	32	3·1	32	3·1	3·8	10
9	3·6	14	1·8	18	1·8	1	4·0	32	2·2	—	1·3	5	2·2	5	1·8	5	1·8	2	2·2	2	3·1	2	2·7	2·6	11
1	2·7	1	1·8	1	1·8	1	1·8	—	0·9	—	0·9	—	0·9	—	0·5	1	1·8	—	1·3	—	0·9	—	0·9	2·1	12
23	1·8	20	1·8	17	1·8	17	4·0	17	3·6	17	2·7	18	2·7	19	1·8	19	1·8	—	0·9	—	0·9	—	0·9	1·6	13
23	2·7	22	2·2	20	3·1	20	3·1	19	3·1	18	1·8	19	3·6	20	2·2	20	2·2	20	3·1	20	2·7	20	1·8	1·6	14
25	1·8	—	1·3	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	—	0·5	—	0·9	—	0·0	—	0·5	—	0·9	1·4	15
5	1·8	—	1·3	30	2·7	4	2·2	5	3·1	6	2·7	9	1·8	10	2·7	9	2·2	—	1·3	—	0·9	—	0·5	1·4	16
5	2·7	4	2·2	4	3·1	2	3·6	9	2·2	10	3·1	10	2·7	10	1·8	10	1·8	10	1·8	10	2·2	10	2·2	2·2	17
1	3·1	1	2·2	30	2·7	1	3·6	1	3·6	32	3·6	2	3·6	2	3·1	2	3·6	2	4·5	2	3·1	3	3·6	2·5	18
32	4·9	32	5·4	32	4·5	32	4·5	1	4·5	1	5·4	1	4·9	1	5·4	1	4·9	32	4·5	1	4·9	1	3·1	3·9	19
32	5·4	32	4·9	32	4·9	32	5·4	32	4·5	32	4·0	32	4·0	32	4·9	2	4·5	3	3·6	2	3·1	32	4·0	4·5	20
30	2·2	31	1·8	31	1·8	27	1·8	—	1·3	—	0·9	—	0·9	—	0·5	—	0·0	—	0·5	—	0·9	—	1·3	2·0	21
17	3·6	17	3·1	19	2·7	22	1·8	16	3·1	16	5·4	17	3·1	17	2·7	17	1·8	—	1·3	17	1·8	17	1·8	2·1	22
23	4·5	25	5·8	25	5·4	22	4·9	23	4·9	24	5·4	25	3·6	24	2·2	24	1·8	24	2·2	19	1·8	19	3·1	3·1	23
21	4·5	20	4·5	23	4·5	22	4·5	22	3·1	23	3·1	24	2·7	26	2·2	26	1·8	26	1·8	—	0·9	—	0·9	3·4	24
17	2·2	15	3·1	15	1·8	14	3·1	14	2·7	16	3·1	16	1·8	—	0·9	—	1·3	—	0·9	16	1·8	6	2·2	1·5	25
32	1·8	—	1·3	12	3·1	9	3·1	7	2·7	7	2·2	7	1·8	7	1·8	—	1·3	—	0·9	—	1·3	7	1·8	2·3	26
16	2·2	5	6·3	6	6·3	8	4·5	8	5·4	7	4·5	7	3·6	7	2·2	7	2·2	7	2·2	6	1·8	6	3·1	2·6	27
5	5·4	2	5·4	32	5·8	4	6·3	3	5·8	3	6·3	4	6·3	3	5·4	4	6·7	3	3·1	3	4·0	2	4·0	4·3	28
4	5·8	4	5·4	3	5·8	2	6·7	4	6·7	3	5·4	2	7·2	3	5·4	2	3·6	4	5·4	3	2·7	1	2·7	4·7	29
5	7·6	3	6·7	1	5·8	32	5·4	3	3·6	3	3·1	3	3·1	32	2·2	3	2·7	4	1·8	1	1·8	1	1·8	3·7	30
29	1·8	—	1·3	28	1·8	32	4·9	4	7·2	—	1·3	—	1·3	4	2·7	4	3·1	4	2·2	4	2·7	4	3·6	2·2	31
—	4·0	—	3·9	—	4·1	—	4·3	—	4·2	—	3·8	—	3·4	—	2·8	—	2·7	—	2·3	—	2·2	—	2·3	2·9	Normals 1881–1910
—	4·8	—	4·7	—	4·7	—	4·7	—	4·5	—	4·1	—	3·6	—	3·1	—	2·9	—	2·6	—	2·5	—	2·4	3·5	

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. MAY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	2·54	1·27	0·51	—	—	—	—	4·57
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·27	1·02	0·25	0·51	—	—	—	3·30
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	0·25
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	0·25	—	2·03	0·40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11·68
14	—	—	—	—	—	0·25	0·76	0·76	0·76	1·52	0·51	0·25	0·51	1·27	0·25	0·51	—	—	—	—	—	—	—	—	7·35
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	0·75
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·36	3·05	0·51	0·51	—	—	—	—	11·43
Sum ...	—	—	—	—	0·25	0·25	2·79	10·16	0·76	1·52	0·51	0·25	0·76	1·77	0·50	0·51	7·86	6·86	2·80	1·27	0·51	—	—	—	39·33
Normals 1871–1910.	1·35	1·32	1·73	1·70	2·49	2·11	1·90	1·80	1·88	1·88	1·42	1·98	1·68	2·01	2·51	2·74	2·57	1·88	1·78	1·37	1·24	1·07	1·37	1·55	43·33

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. MAY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	·6	·6	·8	1·0	·9	1·0	·4	·9	·8	·9	·9	·6	·1	—	—	9·5	Fine during day, becoming overcast at
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, ● in evening. [night.
3	—	—	·6	1·0	—	·3	·9	·7	·8	·3	—	—	—	—	—	—	—	4·6	A.M. fine; P.M. dull, with ●.
4	—	—	1·0	1·0	1·0	·9	1·0	1·0	·9	·9	1·0	1·0	1·0	·9	1·0	·1	—	12·8	Fine and clear.
5	—	·1	1·0	1·0	1·0	1·0	·9	·1	·1	—	·4	—	—	·2	·5	—	—	6·3	Fine to fair.
6	—	—	·6	1·0	1·0	1·0	·7	·9	·9	·1	·4	·6	·1	—	—	—	—	7·3	≋⁰, but fine till 15h., then rather dull.
7	—	—	·4	·7	—	·1	·9	1·0	1·0	1·0	1·0	·1	·9	·8	·1	—	—	8·0	Cloudy to bright.
8	—	—	·3	1·0	·9	1·0	·3	·4	1·0	1·0	·9	1·0	1·0	1·0	·2	—	—	11·0	Fine day; ⊕ about 10h.
9	—	·5	1·0	1·0	1·0	·8	·1	·7	·8	·9	1·0	1·0	·9	·5	·2	—	—	10·4	Fine, N.Ely. breeze.
10	—	—	—	—	—	·2	·9	·9	1·0	1·0	1·0	·8	·4	·3	—	—	—	6·5	Dull with ≋⁰ at first, clearing after 9h. [13h.
11	—	—	—	—	—	·8	1·0	1·0	·9	·8	·4	—	—	—	—	—	—	4·9	A.M. dull to bright; P.M. ⚲ and ●². [after
12	—	—	—	—	—	—	—	—	—	—	·4	·9	1·0	1·0	1·0	·2	—	4·5	Cloudy and misty morning, brightening
13	—	—	—	—	—	·3	·9	·9	1·0	·9	·8	1·0	1·0	1·0	·6	·1	—	8·5	Dull with ● till 9h., then clearing.
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·2	—	—	0·2	Dull with ●, improving after 18h.
15	—	—	—	—	—	—	—	—	—	—	—	—	·5	·7	—	—	—	1·2	A.M. generally overcast; P.M. fair after [15h.
16	—	—	—	·3	—	·7	1·0	·9	·9	·1	—	·4	·1	·4	·1	—	—	4·9	Fine to fair; ≋⁰, ⊕.
17	—	—	—	—	1·0	1·0	1·0	·9	·4	·4	·4	·9	·1	·4	·1	—	—	6·6	Fine most of day.
18	—	—	—	—	—	·1	·1	·8	·9	·8	—	—	—	—	—	—	—	2·7	≋⁰; cloudy day with bright interval
19	—	·1	1·0	1·0	·7	·3	—	—	—	—	—	—	—	·2	·5	—	—	3·8	Fine till 9h., then dull. [10h.-14h.
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day; cold, Nly. wind.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rather dull all day; ≋⁰ in evening.
22	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·4	—	12·9	Fine and bright.
23	—	—	·7	—	·5	1·0	·4	·7	·8	·9	1·0	·1	·4	·1	·8	·4	—	7·8	Cloudy early, then fine generally.
24	—	—	—	—	—	—	·1	·6	·6	·7	·7	·1	—	—	·1	—	·2	3·1	Cloudy day with bright intervals.
25	—	·1	·9	·5	·1	·4	—	—	—	·3	·1	·1	·9	·6	1·0	1·0	—	6·0	Fair to fine.
26	—	—	·2	—	·3	·6	—	—	—	—	—	—	—	—	—	—	—	1·1	Dull; ●⁰ in afternoon.
27	—	—	—	—	—	—	—	·1	·6	·7	1·0	1·0	·5	1·0	1·0	·7	—	6·6	A.M. overcast and ≋⁰; P.M. fine.
28	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	·8	1·0	1·0	—	14·0	Fine and bright throughout.
29	—	·7	1·0	1·0	1·0	1·0	1·0	·9	·9	·8	·9	·9	1·0	·9	1·0	1·0	·1	14·1	Very fine; N.Ely. breeze.
30	—	—	1·0	1·0	1·0	1·0	1·0	·8	·7	·3	·1	—	—	—	—	—	—	6·9	Fine to dull. ●² later.
31	—	—	—	—	—	—	·9	·9	1·0	1·0	·5	·9	·3	·2	—	—	—	5·7	Dull early, then fine till 15h.; ⚲ and
	—	2·4	11·9	13·1	12·3	15·5	16·0	17·2	17·7	15·8	14·8	13·6	12·3	12·6	11·1	5·3	0·3	191·9	Total.
	—	3·22	10·61	13·62	15.12	15·68	15·99	16·40	16·07	16·10	15·73	15·35	14·63	13·77	11·81	5·89	0·15	200·15	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. MAY, 1911.

First figure (2) omitted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	81·0	80·0	79·3	78·4	79·0	79·0	79·2	81·1	82·0	83·5	84·8	86·3	86·3	88·2	88·0	88·6	88·8	88·6	87·4	86·0	84·9	83·8	83·4	83·1	82·8	83·8
2	82·8	82·8	82·6	82·6	82·5	82·3	82·8	83·7	83·9	84·8	85·2	86·8	86·3	86·2	86·3	85·9	85·2	84·1	83·6	83·4	83·2	83·2	82·3	81·0	79·9	83·8
3	79·9	79·2	78·7	78·5	78·2	78·8	79·1	80·8	82·2	83·4	84·5	84·9	85·4	85·4	85·4	85·3	85·0	84·3	83·4	83·2	83·4	83·4	82·8	82·0	81·4	82·4
4	81·4	81·0	80·2	79·6	79·1	79·1	79·6	80·9	81·0	83·1	83·7	84·6	85·9	85·8	87·0	87·8	86·9	87·8	87·3	85·7	84·2	84·1	82·8	81·3	80·3	83·3
5	80·3	79·7	79·2	78·8	78·2	78·2	78·9	80·3	82·0	83·0	84·7	86·0	87·0	86·0	87·4	86·5	87·0	87·5	87·5	86·9	86·0	85·4	85·0	84·6	84·1	83·7
6	84·1	83·9	82·7	81·4	80·4	79·7	79·7	81·4	82·8	84·1	85·5	86·3	87·3	87·2	88·2	88·7	87·6	86·9	86·2	85·2	83·6	82·2	81·1	80·8	79·1	83·9
7	79·1	78·5	77·4	77·0	76·3	76·1	77·5	80·2	82·4	84·1	85·7	87·9	88·2	89·7	90·4	89·6	90·8	89·9	88·5	87·3	86·0	84·7	84·0	83·5	83·3	84·0
8	83·3	82·9	82·4	82·2	81·5	81·9	83·2	85·1	86·2	87·1	88·0	88·2	89·2	90·4	89·9	90·4	90·4	89·3	87·8	86·3	85·2	84·8	83·8	83·5	82·8	86·0
9	82·8	82·5	81·8	81·5	80·7	80·3	82·0	83·2	84·8	87·1	88·2	88·8	90·1	91·2	92·1	92·3	92·6	92·5	91·0	90·2	89·7	88·4	87·2	85·5	83·9	87·0
10	83·9	82·6	82·8	82·6	81·8	81·8	81·9	82·2	83·0	84·2	85·9	88·1	91·0	93·1	94·7	95·1	95·2	93·6	91·8	90·2	88·2	89·3	87·9	85·2	83·6	87·3
11	83·6	83·0	83·1	82·8	82·9	83·0	82·9	83·1	83·6	85·7	87·1	89·6	91·5	93·6	93·4	91·8	89·6	88·9	89·1	88·8	88·2	86·9	86·7	86·7	85·8	86·9
12	85·8	84·9	84·1	83·0	82·3	82·5	82·4	82·6	83·2	83·8	84·7	85·2	85·9	87·3	88·4	89·9	91·0	91·7	92·1	91·3	88·7	87·4	87·0	85·8	85·3	86·3
13	85·3	85·2	84·0	84·1	84·1	84·3	84·7	84·8	85·0	85·7	88·0	89·8	91·2	93·0	93·2	94·6	94·2	95·1	94·3	92·4	90·4	89·4	88·5	86·9	86·3	88·7
14	86·3	85·4	85·0	85·2	85·4	85·9	86·1	86·4	86·8	87·1	87·3	88·1	88·8	87·4	87·4	88·6	88·4	88·3	87·9	88·8	86·8	85·7	84·9	85·3	85·4	86·8
15	85·4	85·3	85·2	85·0	84·2	84·5	84·7	85·3	85·8	86·9	87·4	88·1	88·2	89·6	89·8	89·3	91·1	91·1	90·3	89·2	87·0	86·2	84·9	84·1	83·2	87·0
16	83·2	83·2	83·7	83·7	83·6	83·8	84·5	86·3	87·8	89·2	90·1	91·3	92·1	92·5	93·0	93·2	93·2	93·2	92·4	90·6	89·4	88·2	88·2	86·5	85·8	88·5
17	85·8	85·6	84·5	84·1	84·0	84·1	84·2	85·4	87·6	89·7	90·6	91·7	91·9	92·8	92·8	93·6	93·0	92·6	91·7	90·3	88·5	87·3	85·8	84·7	84·2	88·4
18	84·2	84·4	84·3	84·2	84·2	84·0	83·9	84·4	85·3	86·6	87·1	87·9	88·9	89·5	89·3	89·2	88·6	88·0	87·5	87·3	86·1	84·9	84·1	83·9	83·4	86·1
19	83·4	83·4	83·2	82·9	82·6	82·4	82·5	83·1	84·2	85·6	85·7	85·9	85·6	84·6	83·8	83·8	84·3	85·2	85·1	84·3	84·1	83·4	83·2	82·3	82·2	83·9
20	82·2	82·1	81·8	81·7	81·6	81·3	81·2	81·6	81·5	81·8	81·9	82·3	82·2	82·5	83·3	83·4	83·4	83·0	82·7	82·4	82·1	82·0	81·7	81·4	81·3	82·1
21	81·3	81·2	81·0	80·8	80·4	80·4	80·4	80·6	80·8	81·1	81·3	81·7	82·4	83·1	83·2	83·7	83·8	83·7	84·5	83·5	81·7	80·2	78·8	78·0	78·9	81·5
22	78·9	77·6	76·7	75·2	74·9	75·0	76·3	80·3	81·6	83·7	85·5	87·0	87·9	89·6	90·8	91·8	92·3	92·9	91·0	89·1	87·3	86·0	85·0	84·7	83·9	84·3
23	83·9	83·1	82·8	81·8	81·7	81·9	82·6	83·0	84·4	86·7	88·6	89·0	90·3	91·3	91·2	90·2	90·1	90·0	89·4	88·4	87·1	86·7	86·0	85·7	85·7	86·5
24	85·7	85·7	85·8	85·9	85·8	86·1	86·3	86·7	87·4	88·7	89·6	90·9	91·1	92·5	93·1	93·2	92·6	92·5	92·1	91·5	90·5	89·2	88·2	87·1	86·7	89·1
25	86·7	85·2	84·2	83·8	82·7	83·0	84·9	87·4	87·9	90·0	91·3	92·4	93·5	94·1	94·1	94·2	95·2	94·9	95·1	94·0	91·1	88·9	87·5	88·0	88·9	89·6
26	88·9	88·8	88·3	88·0	87·4	87·2	88·4	89·1	90·2	91·3	91·4	91·6	92·2	91·8	91·3	91·0	91·1	91·4	91·4	90·9	90·2	90·2	88·6	87·9	88·2	89·9
27	88·2	88·6	87·8	86·8	86·7	87·0	87·5	87·6	87·9	88·8	89·8	92·1	93·6	95·4	95·7	95·9	94·9	95·2	94·5	93·2	91·5	90·3	89·6	88·8	87·9	90·7
28	87·9	87·4	85·8	85·2	84·5	85·7	86·7	88·7	90·2	91·4	92·6	93·9	94·1	94·9	95·2	95·8	95·2	95·2	94·6	94·1	92·4	91·3	90·1	89·1	88·6	90·9
29	88·6	88·2	86·9	86·0	85·4	85·9	86·4	88·1	89·9	92·4	93·2	94·7	95·3	96·3	96·5	97·0	97·2	96·8	96·6	95·4	92·6	90·1	89·1	87·9	87·0	91·5
30	87·0	85·9	84·7	84·1	84·0	84·0	85·2	86·5	88·6	90·6	92·2	93·9	94·9	95·0	93·6	92·9	91·5	91·5	91·3	91·1	89·5	89·8	89·7	89·1	88·7	89·5
31	88·7	87·9	87·0	86·5	86·6	86·7	86·9	87·0	87·3	88·1	89·3	91·2	93·2	95·2	96·2	97·2	94·1	93·7	91·5	91·3	91·1	90·7	90·2	89·3	88·7	90·3
Mean ...	84·2	83·7	83·1	82·7	82·3	82·4	83·0	84·1	85·1	86·4	87·4	88·6	89·4	90·2	90·5	90·7	90·5	90·3	89·7	88·8	87·4	86·6	85·7	85·0	84·4	86·6
Normals 1871–1910.	82·0	81·6	81·2	81·0	80·7	80·9	81·4	82·7	83·7	84·9	85·7	86·5	87·1	87·6	87·8	88·1	88·0	87·8	87·2	86·2	84·9	84·0	83·2	82·6	82·1	84·5

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MAY, 1911.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	84	82	84	87	83	84	83	82	76	68	69	62	59	56	53	49	49	54	68	78	79	84	86	86	87	72·8
2	87	86	88	86	87	90	87	81	78	72	73	66	70	71	70	71	77	86	90	93	95	96	94	90	91	82·8
3	91	93	94	93	92	92	90	87	81	74	65	62	62	63	63	65	68	74	88	92	90	93	82	85	88	80·7
4	88	90	93	92	94	93	89	86	75	66	59	59	55	56	52	47	46	47	51	61	73	68	71	76	76	70·0
5	76	78	81	84	89	88	87	85	79	77	72	70	66	65	61	63	66	61	58	61	65	68	68	72	75	72·5
6	75	77	79	82	86	87	86	80	72	70	64	59	55	59	56	55	50	49	53	55	58	64	79	80	88	68·2
7	88	91	94	92	96	95	91	78	69	62	61	57	52	54	51	55	54	54	55	56	60	69	72	75	70	69·7
8	70	68	72	77	78	75	73	64	62	59	51	51	46	48	43	42	46	47	49	54	53	55	62	65	66	58·7
9	66	68	71	73	80	80	73	72	69	66	66	69	66	65	58	57	59	55	63	68	71	74	78	84	87	69·3
10	87	91	92	94	96	95	93	92	89	86	82	77	65	62	54	51	49	56	61	69	82	69	74	87	89	77·2
11	89	95	95	95	95	94	94	94	93	85	79	72	69	62	59	65	66	72	70	69	75	86	89	81	83	80·9
12	83	85	87	90	95	98	98	94	92	91	87	87	86	82	79	75	73	69	68	70	85	85	86	93	95	85·2
13	95	93	99	95	95	98	97	95	97	98	90	84	77	70	68	63	60	58	60	65	72	79	81	89	94	82·4
14	94	98	97	93	94	90	92	96	94	91	91	90	92	92	96	89	94	91	94	84	87	89	91	91	92	92·0
15	92	91	89	90	92	91	92	91	89	85	82	76	74	67	65	71	68	68	73	80	89	95	99	99	98	83·8
16	98	99	98	97	96	98	97	88	81	73	68	61	54	57	53	55	53	54	64	69	71	76	76	86	91	75·8
17	91	91	92	92	87	86	86	84	78	70	67	61	60	54	55	51	50	62	61	65	72	79	85	86	92	73·6
18	92	91	93	91	90	87	88	83	80	78	74	71	69	68	67	71	73	74	75	74	78	82	82	82	81	79·5
19	81	80	78	78	81	81	78	78	74	69	64	66	66	69	77	78	70	64	61	67	67	67	66	74	72	72·0
20	72	81	85	83	83	86	81	76	72	68	68	70	69	72	70	69	70	72	72	72	73	74	75	77	78	74·7
21	78	76	76	77	77	77	76	76	76	73	73	73	71	69	70	68	68	68	69	73	83	89	93	93	92	76·2
22	92	91	94	95	95	96	95	90	84	82	77	74	72	66	64	48	48	62	71	77	81	86	89	87	89	79·8
23	89	92	90	94	93	92	90	89	83	76	65	61	51	54	56	59	58	59	61	66	70	73	80	81	81	74·1
24	81	84	83	82	85	84	85	84	82	77	76	72	72	69	64	64	66	68	71	72	76	83	86	90	91	77·5
25	91	97	96	96	97	97	94	87	84	69	59	57	55	53	50	48	48	49	48	53	63	74	80	78	74	71·5
26	74	78	79	82	87	88	82	82	77	73	77	75	75	79	85	71	69	64	63	70	70	68	80	79	76	76·2
27	76	77	83	86	87	85	85	83	81	81	76	71	53	55	37	38	42	42	44	48	54	62	63	65	69	65·5
28	69	73	77	79	81	75	74	66	62	60	53	51	50	48	45	42	41	44	54	56	59	63	70	74	71	61·1
29	71	74	80	81	84	84	84	81	76	70	65	64	53	46	43	43	41	41	41	45	46	52	59	70	73	62·3
30	73	78	86	81	82	85	81	80	73	69	63	56	52	47	51	57	62	65	69	73	87	85	84	84	85	72·0
31	85	89	90	92	91	91	89	88	88	86	81	76	73	69	66	61	75	69	91	96	91	93	92	77	80	83·2
Mean ...	83·2	85·1	86·9	87·4	88·6	88·5	86·8	83·6	79·5	75·0	70·9	67·7	64·2	62·8	60·7	59·4	60·0	61·2	65·0	68·7	73·4	76·8	79·7	81·8	83·0	74·9
*Normals 1886–1910.	83·3	84·6	86·3	86·8	87·6	86·8	85·3	81·1	76·2	71·1	67·8	65·0	62·8	60·9	60·0	59·5	59·6	60·7	62·6	66·6	71·9	75·6	79·0	81·1	83·3	73·4

* Normals for 24 years only—1891 omitted

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** MAY, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE and TEMPERATURE. MAY, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9844	·9788	82·5	70·5	9	·9940	·9918	90·1	78·1	17	·9883	·9856	90·8	74·8	25	·9862	·9835	88·8	78·4
2	·9788	·9707	82·2	75·7	10	·9937	·9890	89·7	77·7	18	·9943	·9878	88·8	79·6	26	·9891	·9862	92·3	76·9
3	·9779	**·9614**	80·6	74·9	11	·9898	·9875	91·9	77·5	19	·9978	·9941	84·9	76·9	27	·9963	·9891	93·4	83·1
4	·9835	·9713	84·0	75·5	12	·9893	·9820	91·8	79·7	20	·9982	·9968	85·8	75·1	28	**·0004**	·9962	94·7	82·0
5	·9945	·9835	84·3	74·1	13	·9822	·9767	87·6	80·5	21	·9969	·9894	90·0	72·2	29	·0002	·9981	**94·8**	80·2
6	·9967	·9935	86·0	**70·4**	14	·9768	·9725	88·1	80·3	22	·9895	·9824	87·6	74·2	30	·9984	·9929	94·2	81·9
7	·9935	·9895	82·8	80·7	15	·9796	·9736	87·8	77·1	23	·9827	·9803	85·0	81·8	31	·9929	·9882	92·7	81·5
8	·9931	·9895	83·4	80·6	16	·9873	·9796	87·5	76·3	24	·9855	·9801	88·9	83·4	Mean	—	—	88·2	77·8

ESKDALEMUIR. TABLE II. MAY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9832	·9835	·9836	·9838	·9840	·9841	·9842	·9843	·9843	·9840	·9839	·9838	·9834	·9834	·9834	·9830	·9826	·9818	·9815	·9811	·9811	·9806	·9798	·9794	·9788	·9827
2	·9788	·9778	·9772	·9761	·9751	·9745	·9738	·9731	·9724	·9720	·9715	·9712	·9707	·9712	·9718	·9723	·9730	·9738	·9746	·9756	·9765	·9767	·9774	·9777	·9779	·9743
3	·9779	·9777	·9774	·9767	·9758	·9750	·9739	·9725	·9712	·9696	·9677	·9654	·9639	·9622	·9614	·9624	·9635	·9648	·9656	·9666	·9680	·9691	·9700	·9706	·9713	·9694
4	·9713	·9720	·9727	·9731	·9739	·9746	·9757	·9765	·9771	·9775	·9778	·9786	·9788	·9791	·9794	·9799	·9807	·9809	·9811	·9813	·9817	·9824	·9830	·9832	·9835	·9783
5	·9835	·9839	·9841	·9841	·9845	·9847	·9853	·9859	·9865	·9870	·9868	·9873	·9880	·9884	·9888	·9893	·9898	·9903	·9911	·9918	·9927	·9934	·9937	·9940	·9945	·9884
6	·9945	·9948	·9952	·9953	·9953	·9955	·9958	·9962	·9963	·9961	·9962	·9961	·9959	·9957	·9953	·9950	·9949	·9945	·9944	·9943	·9945	·9945	·9942	·9939	·9935	·9952
7	·9935	·9927	·9921	·9919	·9916	·9918	·9918	·9919	·9919	·9918	·9918	·9916	·9915	·9912	·9909	·9906	·9903	·9901	·9896	·9898	·9897	·9898	·9897	·9895	·9896	·9911
8	·9896	·9895	·9896	·9897	·9897	·9901	·9906	·9911	·9917	·9921	·9919	·9922	·9925	·9926	·9927	·9924	·9922	·9922	·9923	·9925	·9926	·9928	·9930	·9930	·9930	·9917
9	·9930	·9927	·9927	·9926	·9926	·9927	·9929	·9932	·9935	·9935	·9933	·9932	·9929	·9925	·9924	·9920	·9918	·9919	·9920	·9925	·9930	·9937	·9939	·9939	·9937	·9929
10	·9937	·9931	·9924	·9920	·9918	·9915	·9918	·9918	·9918	·9917	·9925	·9919	·9910	·9904	·9902	·9899	·9896	·9895	·9892	·9893	·9894	·9895	·9895	·9897	·9896	·9909
11	·9896	·9894	·9891	·9889	·9889	·9888	·9888	·9892	·9893	·9892	·9889	·9884	·9880	·9878	·9880	·9880	·9879	·9879	·9878	·9882	·9890	·9893	·9894	·9896	·9893	·9887
12	·9893	·9887	·9889	·9883	·9876	·9874	·9873	·9870	·9871	·9866	·9861	·9859	·9852	·9849	·9845	·9836	·9833	·9829	·9827	·9829	·9829	·9832	·9828	·9826	·9820	·9853
13	·9820	·9816	·9809	·9804	·9803	·9799	·9799	·9798	·9796	·9794	·9794	·9791	·9787	·9785	·9781	·9777	·9777	·9770	·9774	·9775	·9773	·9772	·9769	·9768	·9768	·9788
14	·9768	·9761	·9757	·9753	·9748	·9747	·9746	·9746	·9747	·9745	·9745	·9744	·9741	·9739	·9736	·9731	·9728	·9730	·9731	·9731	·9734	·9736	·9739	·9738	·9738	·9742
15	·9738	·9736	·9739	·9738	·9740	·9742	·9743	·9746	·9750	·9755	·9754	·9752	·9754	·9756	·9758	·9756	·9758	·9760	·9764	·9769	·9776	·9783	·9789	·9792	·9796	·9757
16	·9796	·9799	·9800	·9801	·9805	·9809	·9815	·9820	·9826	·9829	·9835	·9836	·9838	·9839	·9843	·9843	·9846	·9846	·9850	·9853	·9861	·9865	·9869	·9871	·9873	·9835
17	·9873	·9874	·9872	·9871	·9872	·9873	·9873	·9874	·9874	·9873	·9873	·9871	·9869	·9865	·9864	·9861	·9859	·9859	·9859	·9861	·9867	·9872	·9877	·9882	·9881	·9870
18	·9881	·9879	·9880	·9882	·9883	·9886	·9890	·9896	·9902	·9904	·9904	·9907	·9909	·9910	·9911	·9910	·9913	·9914	·9917	·9920	·9924	·9930	·9932	·9935	·9943	·9906
19	·9943	·9942	·9944	·9948	·9950	·9952	·9956	·9960	·9963	·9963	·9963	·9965	·9966	·9964	·9966	·9969	·9968	·9968	·9967	·9965	·9973	·9975	·9978	·9977	·9976	·9963
20	·9976	·9976	·9974	·9973	·9975	·9975	·9976	·9978	·9979	·9976	·9981	·9977	·9975	·9977	·9975	·9970	·9968	·9969	·9969	·9969	·9973	·9973	·9974	·9972	·9969	·9974
21	·9969	·9963	·9959	·9957	·9954	·9952	·9950	·9947	·9943	·9937	·9935	·9930	·9923	·9919	·9915	·9909	·9905	·9900	·9899	·9899	·9899	·9899	·9896	·9895	·9894	·9926
22	·9894	·9895	·9893	·9889	·9889	·9886	·9884	·9880	·9878	·9872	·9874	·9870	·9861	·9858	·9855	·9851	·9847	·9844	·9842	·9841	·9842	·9841	·9835	·9830	·9827	·9863
23	·9827	·9823	·9821	·9812	·9811	·9812	·9813	·9813	·9813	·9814	·9817	·9817	·9816	·9815	·9818	·9818	·9814	·9812	·9810	·9814	·9809	·9809	·9807	·9806	·9803	·9814
24	·9803	·9802	·9805	·9806	·9811	·9816	·9823	·9834	·9841	·9842	·9843	·9845	·9847	·9850	·9853	·9852	·9852	·9852	·9854	·9851	·9851	·9850	·9850	·9848	·9847	·9838
25	·9847	·9847	·9842	·9838	·9838	·9839	·9843	·9844	·9845	·9837	·9837	·9841	·9842	·9843	·9842	·9839	·9839	·9837	·9839	·9844	·9850	·9856	·9859	·9861	·9862	·9844
26	·9862	·9864	·9863	·9863	·9865	·9870	·9875	·9877	·9878	·9879	·9873	·9873	·9872	·9871	·9870	·9869	·9865	·9865	·9871	·9879	·9885	·9887	·9888	·9889	·9891	·9874
27	·9891	·9892	·9894	·9894	·9896	·9900	·9904	·9909	·9913	·9912	·9917	·9915	·9915	·9917	·9920	·9922	·9924	·9930	·9937	·9941	·9949	·9956	·9960	·9961	·9963	·9921
28	·9963	·9963	·9967	·9971	·9973	·9977	·9982	·9986	·9988	·9989	·9986	·9987	·9988	·9987	·9985	·9985	·9985	·9986	·9989	·9992	·9995	·9997	·0001	·0002	·0002	·9985
29	·0002	·0001	·0001	·9999	·0000	·9999	·9999	·9999	·9998	·9996	·9996	·9994	·9992	·9988	·9987	·9987	·9984	·9984	·9983	·9985	·9984	·9987	·9989	·9987	·9984	·9992
30	·9984	·9981	·9979	·9977	·9976	·9974	·9973	·9967	·9964	·9960	·9954	·9950	·9942	·9941	·9938	·9933	·9932	·9933	·9934	·9934	·9934	·9935	·9934	·9935	·9929	·9952
31	·9929	·9922	·9917	·9911	·9913	·9903	·9905	·9903	·9894	·9894	·9896	·9895	·9892	·9889	·9890	·9885	·9885	·9883	·9885	·9891	·9898	·9906	·9910	·9913	·9917	·9900
Mean...	0·9 8756	0·9 8740	0·9 8731	0·9 8714	0·9 8713	0·9 8715	0·9 8732	0·9 8743	0·9 8749	0·9 8736	0·9 8729	0·9 8715	0·9 8693	0·9 8680	0·9 8676	0·9 8662	0·9 8660	0·9 8661	0·9 8675	0·9 8701	0·9 8738	0·9 8767	0·9 8781	0·9 8785	0·9 8784	0·9 8719
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(21509—24.) Wt. 41466—310. 375. 11/11. D & S. G. 30. Sch. 9.

TABLE VI.

KEW. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. MAY, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	81·0	80·0	79·3	78·4	79·0	79·0	79·2	81·1	82·0	83·5	84·8	86·3	86·3	88·2	88·0	88·6	88·8	88·6	87·4	86·0	84·9	83·8	83·4	83·1	82·8	83·8
2	82·8	82·8	82·6	82·6	82·5	82·3	82·8	83·7	83·9	84·8	85·2	86·8	86·3	86·2	86·3	85·9	85·2	84·1	83·6	83·4	83·2	83·2	82·3	81·0	79·9	83·8
3	79·9	79·2	78·7	78·5	78·2	78·8	79·1	80·8	82·2	83·4	84·5	84·9	85·4	85·4	85·4	85·3	85·0	84·3	83·4	83·2	83·4	83·4	82·8	82·0	81·4	82·4
4	81·4	81·0	80·2	79·6	79·1	79·1	79·6	80·9	81·0	83·1	83·7	84·6	85·9	85·8	87·0	87·8	86·9	87·8	87·3	85·7	84·2	84·1	82·8	81·3	80·3	83·3
5	80·3	79·7	79·2	78·8	78·2	78·2	78·9	80·3	82·0	83·0	84·7	86·0	87·0	86·0	87·4	86·5	87·0	87·5	87·5	86·9	86·0	85·4	85·0	84·6	84·1	83·7
6	84·1	83·9	82·7	81·4	80·4	79·7	79·7	81·4	82·8	84·1	85·5	86·3	87·3	87·2	88·2	88·7	87·6	86·9	86·2	85·2	83·6	82·2	81·1	80·8	79·1	83·9
7	79·1	78·5	77·4	77·0	76·3	76·1	77·5	80·2	82·4	84·1	85·7	87·9	88·2	89·7	90·4	89·6	90·8	89·9	88·5	87·3	86·0	84·7	84·0	83·5	83·3	84·0
8	83·3	82·9	82·4	82·2	81·5	81·9	83·2	85·1	86·2	87·1	88·0	88·2	89·2	90·4	89·9	90·4	90·4	89·3	87·8	86·3	85·2	84·8	83·8	83·5	82·8	86·0
9	82·8	82·5	81·8	81·5	80·7	80·3	82·0	83·2	84·8	87·1	88·2	88·8	90·1	91·2	92·1	92·3	92·6	92·5	91·0	90·2	89·7	88·4	87·2	85·5	83·9	87·0
10	83·9	82·6	82·8	82·6	81·8	81·8	81·9	82·2	83·0	84·2	85·9	88·1	91·0	93·1	94·7	95·1	95·2	93·6	91·8	90·2	88·2	89·3	87·9	85·2	83·6	87·3
11	83·6	83·0	83·1	82·8	82·9	83·0	82·9	83·1	83·6	85·7	87·1	89·6	91·5	93·6	93·4	91·8	89·6	88·9	89·1	88·8	88·2	86·9	86·7	86·7	85·8	86·9
12	85·8	84·9	84·1	83·0	82·3	82·5	82·4	82·6	83·2	83·8	84·7	85·2	85·9	87·3	88·4	89·9	91·0	91·7	92·1	91·3	88·7	87·4	87·0	85·8	85·3	86·3
13	85·3	85·2	84·0	84·1	84·1	84·3	84·7	84·8	85·0	85·7	88·0	89·8	91·2	93·0	93·2	94·6	94·2	95·1	94·3	92·4	90·4	89·4	88·5	86·9	86·3	88·7
14	86·3	85·4	85·0	85·2	85·4	85·9	86·1	86·4	86·8	87·1	87·3	88·1	88·8	87·4	87·4	88·6	88·4	88·3	87·9	88·8	86·8	85·7	84·9	85·3	85·4	86·8
15	85·4	85·3	85·2	85·0	84·2	84·5	84·7	85·3	85·8	86·9	87·4	88·1	88·2	89·6	89·8	89·3	91·1	91·1	90·3	89·2	87·0	86·2	84·9	84·1	83·2	87·0
16	83·2	83·2	83·7	83·7	83·6	83·8	84·5	86·3	87·8	89·2	90·1	91·3	92·1	92·5	93·0	93·2	93·2	93·2	92·4	90·6	89·4	88·2	88·2	86·5	85·8	88·5
17	85·8	85·6	84·5	84·1	84·0	84·1	84·2	85·4	87·6	89·7	90·6	91·7	91·9	92·8	92·8	93·6	93·0	92·6	91·7	90·3	88·5	87·3	85·8	84·7	84·2	88·4
18	84·2	84·4	84·3	84·2	84·2	84·0	83·9	84·4	85·3	86·6	87·1	87·9	88·9	89·5	89·3	89·2	88·6	88·0	87·5	87·3	86·1	84·9	84·1	83·9	83·4	86·1
19	83·4	83·4	83·2	82·9	82·6	82·4	82·5	83·1	84·2	85·6	85·7	85·9	85·6	84·6	83·8	83·8	84·3	85·2	85·1	84·3	84·1	83·4	83·2	82·3	82·2	83·9
20	82·2	82·1	81·8	81·7	81·6	81·3	81·2	81·6	81·5	81·8	81·9	82·3	82·2	82·5	83·3	83·4	83·4	83·0	82·7	82·4	82·1	82·0	81·7	81·4	81·3	82·1
21	81·3	81·2	81·0	80·8	80·4	80·4	80·4	80·6	80·8	81·1	81·3	81·7	82·4	83·1	83·2	83·7	83·8	83·7	84·5	83·5	81·7	80·2	78·8	78·0	78·9	81·5
22	78·9	77·6	76·7	75·2	74·9	75·0	76·3	80·3	81·6	83·7	85·5	87·0	87·9	89·6	90·8	91·8	92·3	92·9	91·0	89·1	87·3	86·0	85·0	84·7	83·9	84·3
23	83·9	83·1	82·8	81·8	81·7	81·9	82·6	83·0	84·4	86·7	88·6	89·0	90·3	91·3	91·2	90·2	90·1	90·0	89·4	88·4	87·1	86·7	86·0	85·7	85·7	86·5
24	85·7	85·7	85·8	85·9	85·8	86·1	86·3	86·7	87·4	88·7	89·6	90·9	91·1	92·5	93·1	93·2	92·6	92·5	92·1	91·5	90·5	89·2	88·2	87·1	86·7	89·1
25	86·7	85·2	84·2	83·8	82·7	83·0	84·9	87·4	87·9	90·0	91·3	92·4	93·5	94·1	94·1	94·2	95·2	94·9	95·1	94·0	91·1	88·9	87·5	88·0	88·9	89·6
26	88·9	88·8	88·3	88·0	87·4	87·2	88·4	89·1	90·2	91·3	91·4	91·6	92·2	91·8	91·3	91·0	91·1	91·4	91·4	90·9	90·2	90·2	88·6	87·9	88·2	89·9
27	88·2	88·6	87·8	86·8	86·7	87·0	87·5	87·6	87·9	88·8	89·8	92·1	93·6	95·4	95·7	95·9	94·9	95·2	94·5	93·2	91·5	90·3	89·6	88·8	87·9	90·7
28	87·9	87·4	85·8	85·2	84·5	85·7	86·7	88·7	90·2	91·4	92·6	93·9	94·1	94·9	95·2	95·8	95·2	95·2	94·6	94·1	92·4	91·3	90·1	89·1	88·6	90·9
29	88·6	88·2	86·9	86·0	85·4	85·9	86·4	88·1	89·9	92·4	93·2	94·7	95·3	96·3	96·5	97·0	97·2	96·8	96·6	95·4	92·6	90·1	89·1	87·9	87·0	91·5
30	87·0	85·9	84·7	84·1	84·0	84·0	85·2	86·5	88·6	90·6	92·2	93·9	94·9	95·0	93·6	92·9	91·5	91·5	91·3	91·1	89·5	89·8	89·7	89·1	88·7	89·5
31	88·7	87·9	87·0	86·5	86·6	86·7	86·9	87·0	87·3	88·1	89·3	91·2	93·2	95·2	96·2	97·2	94·1	93·7	91·5	91·3	91·1	90·7	90·2	89·3	88·7	90·3
Mean ...	84·2	83·7	83·1	82·7	82·3	82·4	83·0	84·1	85·1	86·4	87·4	88·6	89·4	90·2	90·5	90·7	90·5	90·3	89·7	88·8	87·4	86·6	85·7	85·0	84·4	86·6
Normals 1871–1910.	82·0	81·6	81·2	81·0	80·7	80·9	81·4	82·7	83·7	84·9	85·7	86·5	87·1	87·6	87·8	88·1	88·0	87·8	87·2	86·2	84·9	84·0	83·2	82·6	82·1	84·5

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MAY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	84	82	84	87	83	84	83	82	76	68	69	62	59	56	53	49	49	54	68	78	79	84	86	86	87	72·8
2	87	86	88	86	87	90	87	81	78	72	73	66	70	71	70	71	77	86	90	93	95	96	94	90	91	82·8
3	91	93	94	93	92	92	90	87	81	74	65	62	62	63	63	65	68	74	88	92	90	93	82	85	88	80·7
4	88	90	93	92	94	93	89	86	75	66	59	59	55	56	52	47	46	47	51	61	73	68	71	76	76	70·0
5	76	78	81	84	89	88	87	85	79	77	72	70	66	65	61	63	66	61	58	61	65	68	68	72	75	72·5
6	75	77	79	82	86	87	86	80	72	70	64	59	55	59	56	55	50	49	53	55	58	64	79	80	88	68·2
7	88	91	94	92	96	95	91	78	69	62	61	57	52	54	51	55	54	54	55	56	60	69	72	75	70	69·7
8	70	68	72	77	78	75	73	64	62	59	51	51	46	48	43	42	46	47	49	54	53	55	62	65	66	58·7
9	66	68	71	73	80	80	73	72	69	66	66	69	66	65	58	57	59	55	63	68	71	74	78	84	87	69·3
10	87	91	92	94	96	95	93	92	89	86	82	77	65	62	54	51	49	56	61	69	82	69	74	87	89	77·2
11	89	95	95	95	95	94	94	94	93	85	79	72	69	62	59	65	66	72	70	69	75	86	89	81	83	80·9
12	83	85	87	90	95	98	98	94	92	91	87	87	86	82	79	75	73	69	68	70	85	85	86	93	95	85·2
13	95	93	99	95	95	98	97	95	97	98	90	84	77	70	68	63	60	58	60	65	72	79	81	89	94	82·4
14	94	98	97	93	94	90	92	96	94	91	91	90	92	92	96	89	94	91	94	84	87	89	91	91	92	92·0
15	92	91	89	90	92	91	92	91	89	85	82	76	74	67	65	71	68	68	73	80	89	95	99	99	98	83·8
16	98	99	98	97	96	98	97	88	81	73*	68	61	54	57	53	55	53	54	64	69	71	76	76	86	91	75·8
17	91	91	92	92	87	86	86	84	78	70	67	61	60	54	55	51	50	62	61	65	72	79	85	86	92	73·6
18	92	91	93	91	90	87	88	83	80	78	74	71	69	68	67	71	73	74	75	74	78	82	82	82	81	79·5
19	81	80	78	78	81	81	78	78	74	69	64	66	66	69	77	78	70	64	61	67	67	67	66	74	72	72·0
20	72	81	85	83	83	86	81	76	72	68	68	70	69	72	70	69	70	72	72	72	73	74	75	77	78	74·7
21	78	76	76	77	77	77	76	76	76	73	73	73	71	69	70	68	68	68	69	73	83	89	93	93	92	76·2
22	92	91	94	95	95	96	95	90	84	82	77	74	72	66	64	48	48	62	71	77	81	86	89	87	89	79·8
23	89	92	90	94	93	92	90	89	83	76	65	61	51	54	56	59	58	59	61	66	70	73	80	81	81	74·1
24	81	84	83	82	85	84	85	84	82	77	76	72	72	69	64	64	66	68	71	72	76	83	86	90	91	77·5
25	91	97	96	96	97	97	94	87	84	69	59	57	55	53	50	48	48	49	48	53	63	74	80	78	74	71·5
26	74	78	79	82	87	88	82	82	77	73	77	75	75	79	85	71	69	64	63	70	70	68	80	79	76	76·2
27	76	77	83	86	87	85	85	83	81	81	76	71	53	55	37	38	42	42	44	48	54	62	63	65	69	65·5
28	69	73	77	79	81	75	74	66	62	60	53	51	50	48	45	42	41	44	54	56	59	63	70	74	71	61·1
29	71	74	80	81	84	84	84	81	76	70	65	64	53	46	43	43	41	41	41	45	46	52	59	70	73	62·3
30	73	78	86	81	82	85	81	80	73	69	63	56	52	47	51	57	62	65	69	73	87	85	84	84	85	72·0
31	85	89	90	92	91	91	89	88	88	86	81	76	73	69	66	61	75	69	91	96	91	93	92	77	80	83·2
Mean ...	83·2	85·1	86·9	87·4	88·6	88·5	86·8	83·6	79·5	75·0	70·9	67·7	64·2	62·8	60·7	59·4	60·0	61·2	65·0	68·7	73·4	76·8	79·7	81·8	83·0	74·9
*Normals 1886–1910.	83·3	84·6	86·3	86·8	87·6	86·8	85·3	81·1	76·2	71·1	67·8	65·0	62·8	60·9	60·0	59·5	59·6	60·7	62·6	66·6	71·9	75·6	79·0	81·1	83·3	73·4

* Normals for 24 years only—1891 omitted

METEOROLOGICAL OFFICE OBSERVATORIES.

[*Price Sixpence.*]

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** MAY, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE and TEMPERATURE. MAY, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9844	·9788	82·5	70·5	9	·9940	·9918	90·1	78·1	17	·9883	·9856	90·8	74·8	25	·9862	·9835	88·8	78·4
2	·9788	·9707	82·2	75·7	10	·9937	·9890	89·7	77·7	18	·9943	·9878	88·8	79·6	26	·9891	·9862	92·3	76·9
3	·9779	**·9614**	80·6	74·9	11	·9898	·9875	91·9	77·5	19	·9978	·9941	84·9	76·9	27	·9963	·9891	93·4	83·1
4	·9835	·9713	84·0	75·5	12	·9893	·9820	91·8	79·7	20	·9982	·9968	85·8	75·1	28	**·0004**	·9962	94·7	82·0
5	·9945	·9835	84·3	74·1	13	·9822	·9767	87·6	80·5	21	·9969	·9894	90·0	72·2	29	·0002	·9981	**94·8**	80·2
6	·9967	·9935	86·0	**70·4**	14	·9768	·9725	88·1	80·3	22	·9895	·9824	87·6	74·2	30	·9984	·9929	94·2	81·9
7	·9935	·9895	82·8	80·7	15	·9796	·9736	87·8	77·1	23	·9827	·9803	85·0	81·8	31	·9929	·9882	92·7	81·5
8	·9931	·9895	83·4	80·6	16	·9873	·9796	87·5	76·3	24	·9855	·9801	88·9	83·4	Mean	—	—	88·2	77·8

TABLE II.

ESKDALEMUIR. MAY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9832	·9835	·9836	·9838	·9840	·9841	·9842	·9843	·9843	·9840	·9839	·9838	·9834	·9834	·9834	·9830	·9826	·9818	·9815	·9811	·9811	·9806	·9798	·9794	·9788	·9827
2	·9788	·9778	·9772	·9761	·9751	·9745	·9738	·9731	·9724	·9720	·9715	·9712	·9707	·9712	·9718	·9723	·9730	·9738	·9746	·9756	·9765	·9767	·9774	·9777	·9779	·9743
3	·9779	·9777	·9774	·9767	·9758	·9750	·9739	·9725	·9712	·9696	·9677	·9654	·9639	·9622	·9614	·9624	·9635	·9648	·9656	·9666	·9680	·9691	·9700	·9706	·9713	·9694
4	·9713	·9720	·9727	·9731	·9739	·9746	·9757	·9765	·9771	·9775	·9778	·9786	·9788	·9791	·9794	·9799	·9807	·9809	·9811	·9813	·9817	·9824	·9830	·9832	·9835	·9783
5	·9835	·9839	·9841	·9841	·9845	·9847	·9853	·9859	·9865	·9870	·9868	·9873	·9880	·9884	·9888	·9893	·9898	·9903	·9911	·9918	·9927	·9934	·9937	·9940	·9945	·9884
6	·9945	·9948	·9952	·9953	·9953	·9955	·9958	·9962	·9963	·9961	·9962	·9961	·9959	·9957	·9953	·9950	·9949	·9945	·9944	·9943	·9945	·9945	·9942	·9939	·9935	·9952
7	·9935	·9927	·9921	·9919	·9916	·9918	·9918	·9919	·9919	·9918	·9918	·9916	·9915	·9912	·9909	·9906	·9903	·9901	·9896	·9898	·9897	·9898	·9897	·9895	·9896	·9911
8	·9896	·9895	·9896	·9897	·9897	·9901	·9906	·9911	·9917	·9921	·9919	·9922	·9925	·9926	·9927	·9924	·9922	·9922	·9923	·9925	·9926	·9928	·9930	·9930	·9930	·9917
9	·9930	·9927	·9927	·9926	·9926	·9927	·9929	·9932	·9935	·9935	·9933	·9932	·9929	·9925	·9924	·9920	·9918	·9919	·9920	·9925	·9930	·9937	·9939	·9939	·9937	·9929
10	·9937	·9931	·9924	·9920	·9918	·9915	·9918	·9918	·9918	·9917	·9925	·9919	·9910	·9904	·9902	·9899	·9896	·9895	·9892	·9893	·9894	·9895	·9895	·9897	·9896	·9909
11	·9896	·9894	·9891	·9889	·9889	·9888	·9888	·9892	·9893	·9892	·9889	·9884	·9880	·9878	·9880	·9880	·9879	·9879	·9878	·9882	·9890	·9893	·9894	·9896	·9893	·9887
12	·9893	·9887	·9889	·9883	·9876	·9874	·9873	·9870	·9871	·9866	·9861	·9859	·9852	·9849	·9845	·9836	·9833	·9829	·9827	·9829	·9829	·9832	·9828	·9826	·9820	·9853
13	·9820	·9816	·9809	·9804	·9803	·9799	·9799	·9798	·9796	·9794	·9794	·9791	·9787	·9785	·9781	·9777	·9777	·9770	·9774	·9775	·9773	·9772	·9769	·9768	·9768	·9788
14	·9768	·9761	·9757	·9753	·9748	·9747	·9746	·9746	·9747	·9745	·9745	·9744	·9741	·9739	·9736	·9731	·9728	·9730	·9731	·9731	·9734	·9736	·9739	·9738	·9738	·9742
15	·9738	·9736	·9739	·9738	·9740	·9742	·9743	·9746	·9750	·9755	·9754	·9752	·9754	·9756	·9758	·9756	·9758	·9760	·9764	·9769	·9776	·9783	·9789	·9792	·9796	·9757
16	·9796	·9799	·9800	·9801	·9805	·9809	·9815	·9820	·9826	·9829	·9835	·9836	·9838	·9839	·9843	·9843	·9846	·9846	·9850	·9853	·9861	·9865	·9869	·9871	·9873	·9835
17	·9873	·9874	·9872	·9871	·9872	·9873	·9873	·9874	·9874	·9873	·9873	·9871	·9869	·9865	·9864	·9861	·9859	·9859	·9859	·9861	·9867	·9872	·9877	·9882	·9881	·9870
18	·9881	·9879	·9880	·9882	·9883	·9886	·9890	·9896	·9902	·9904	·9904	·9907	·9909	·9910	·9911	·9910	·9913	·9914	·9917	·9920	·9924	·9930	·9932	·9935	·9943	·9906
19	·9943	·9942	·9944	·9948	·9950	·9952	·9956	·9960	·9963	·9963	·9963	·9965	·9966	·9964	·9966	·9969	·9968	·9968	·9967	·9965	·9973	·9975	·9978	·9977	·9976	·9963
20	·9976	·9976	·9974	·9973	·9975	·9975	·9976	·9978	·9979	·9976	·9981	·9977	·9975	·9977	·9975	·9970	·9968	·9969	·9969	·9969	·9973	·9973	·9974	·9972	·9969	·9974
21	·9969	·9963	·9959	·9957	·9954	·9952	·9950	·9947	·9943	·9937	·9935	·9930	·9923	·9919	·9915	·9909	·9905	·9900	·9899	·9899	·9899	·9899	·9896	·9895	·9894	·9926
22	·9894	·9895	·9893	·9889	·9889	·9886	·9884	·9880	·9878	·9872	·9874	·9870	·9861	·9858	·9855	·9851	·9847	·9844	·9842	·9841	·9842	·9841	·9835	·9830	·9827	·9863
23	·9827	·9823	·9821	·9812	·9811	·9812	·9813	·9813	·9813	·9814	·9817	·9817	·9816	·9815	·9818	·9818	·9814	·9812	·9810	·9814	·9809	·9809	·9807	·9806	·9803	·9814
24	·9803	·9802	·9805	·9806	·9811	·9816	·9823	·9834	·9841	·9842	·9843	·9845	·9847	·9850	·9853	·9852	·9852	·9852	·9854	·9851	·9851	·9850	·9850	·9848	·9847	·9838
25	·9847	·9847	·9842	·9838	·9838	·9839	·9843	·9844	·9845	·9837	·9837	·9841	·9842	·9843	·9842	·9839	·9839	·9837	·9839	·9844	·9850	·9856	·9859	·9861	·9862	·9844
26	·9862	·9864	·9863	·9863	·9865	·9870	·9875	·9877	·9878	·9879	·9873	·9873	·9872	·9871	·9870	·9869	·9865	·9865	·9871	·9879	·9885	·9887	·9888	·9889	·9891	·9874
27	·9891	·9892	·9894	·9894	·9896	·9900	·9904	·9909	·9913	·9912	·9917	·9915	·9915	·9917	·9920	·9922	·9924	·9930	·9937	·9941	·9949	·9956	·9960	·9961	·9963	·9921
28	·9963	·9963	·9967	·9971	·9973	·9977	·9982	·9986	·9988	·9989	·9986	·9987	·9988	·9987	·9985	·9985	·9985	·9986	·9989	·9992	·9995	·9997	·0001	·0002	·0002	·9985
29	·0002	·0001	·0001	·9999	·0000	·9999	·9999	·9999	·9998	·9996	·9996	·9994	·9992	·9988	·9987	·9987	·9984	·9984	·9983	·9985	·9984	·9987	·9989	·9987	·9984	·9992
30	·9984	·9981	·9979	·9977	·9976	·9974	·9973	·9967	·9964	·9960	·9954	·9950	·9942	·9941	·9938	·9933	·9932	·9933	·9934	·9934	·9934	·9935	·9934	·9935	·9929	·9952
31	·9929	·9922	·9917	·9911	·9913	·9903	·9905	·9903	·9894	·9894	·9896	·9895	·9892	·9889	·9890	·9885	·9885	·9883	·9885	·9891	·9898	·9906	·9910	·9913	·9917	·9900
Mean...	0·9 8756	0·9 8740	0·9 8731	0·9 8714	0·9 8713	0·9 8715	0·9 8732	0·9 8743	0·9 8749	0·9 8736	0·9 8729	0·9 8715	0·9 8693	0·9 8680	0·9 8676	0·9 8662	0·9 8660	0·9 8661	0·9 8675	0·9 8701	0·9 8738	0·9 8767	0·9 8781	0·9 8785	0·9 8784	0·9 8719
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, MAY, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0.0	—	1·3	—	4·9	—	5·4	—	7·2	—	7·6
2	—	13·9	—	14·3	—	13·4	—	13·0	—	11·6	—	10·7	—	9·8	—	12·5	—	13·4	—	12·7	—	16·1	—	16·1
3	—	1·8	—	0·0	—	3·6	—	3·1	—	6·7	—	6·7	—	6·3	—	6·3	—	7·2	—	8·9	—	13·4	—	12·1
4	—	8·1	—	6·7	—	7·6	—	5·8	—	5·8	—	6·7	—	6·3	—	6·3	—	4·5	—	6·3	—	10·3	—	10·3
5	—	4·5	—	3·1	—	4·0	—	3·1	—	4·9	—	5·4	—	3·1	—	3·6	—	4·5	—	6·3	—	6·3	—	6·7
6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	—	3·1	—	4·5	—	4·5	—	5·8
7	—	1·8	—	4·0	—	4·5	—	4·0	—	5·4	—	6·3	—	5·8	—	6·3	—	7·6	—	8·5	—	7·6	—	8·1
8	—	5·8	—	5·8	—	7·2	—	6·3	—	5·4	—	4·5	—	4·5	—	4·0	—	3·6	—	4·0	—	4·0	—	4·0
9	—	2·7	—	2·2	—	1·3	—	3·6	—	3·6	—	4·0	—	4·0	—	1·8	—	5·8	—	6·3	—	4·5	—	4·5
10	—	5·4	—	6·7	—	8·9	—	9·4	—	6·7	—	4·0	—	5·8	—	6·7	—	5·4	—	5·4	—	5·8	—	8·9
11	—	3·6	—	4·5	—	4·9	—	4·0	—	4·5	—	6·3	—	5·4	—	6·7	—	7·2	—	7·2	—	9·4	—	11·2
12	—	5·8	—	4·9	—	4·5	—	7·2	—	6·7	—	7·2	—	7·6	—	8·5	—	8·5	—	9·4	—	8·9	—	9·8
13	—	5·4	—	5·8	—	5·8	—	4·9	—	5·4	—	4·9	—	4·9	—	4·9	—	4·9	—	6·3	—	5·4	—	6·3
14	—	5·4	—	3·6	—	4·0	—	3·6	—	4·0	—	4·5	—	3·6	—	3·6	—	3·1	—	2·7	—	1·3	—	1·8
15	—	0·0	—	0·5	—	0·5	—	0·5	—	0·0	—	0·5	—	0·5	—	0·9	—	3·6	—	4·0	—	4·5	—	6·7
16	—	0·0	—	0·5	—	0·0	—	0·0	—	0·5	—	0·5	—	0·5	—	0·5	—	4·0	—	6·3	—	4·0	—	4·9
17	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	1·8	—	1·8	—	1·8
18	—	4·5	—	4·5	—	4·5	—	4·5	—	4·5	—	4·9	—	4·9	—	4·0	—	3·6	—	3·6	—	3·1	—	2·7
19	—	3·6	—	4·5	—	5·8	—	6·7	—	5·4	—	4·9	—	6·3	—	6·3	—	7·2	—	7·6	—	6·7	—	6·3
20	—	4·0	—	2·7	—	3·6	—	3·6	—	7·2	—	5·8	—	6·3	—	6·7	—	7·2	—	6·7	—	7·2	—	6·7
21	—	0·9	—	0·5	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	4·0	—	4·5	—	4·9	—	5·8
22	—	0·0	—	0·5	—	0·5	—	1·3	—	3·1	—	3·6	—	4·5	—	4·0	—	6·7	—	8·1	—	8·9	—	9·8
23	—	7·2	—	8·1	—	9·4	—	10·3	—	8·9	—	7·6	—	8·5	—	8·9	—	8·9	—	9·4	—	9·4	—	7·6
24	—	7·6	—	6·7	—	7·6	—	7·2	—	4·9	—	5·4	—	5·4	—	7·2	—	7·2	—	8·9	—	9·8	—	10·3
25	—	8·9	—	9·4	—	10·7	—	12·1	—	12·1	—	10·3	—	11·2	—	11·6	—	13·9	—	15·2	—	12·5	—	11·2
26	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	1·3	—	3·1	—	3·6	—	5·8	—	5·8	—	5·8	—	4·9
27	—	2·2	—	2·2	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	0·9	—	1·8	—	1·8	—	1·8
28	—	1·8	—	3·1	—	0·9	—	2·2	—	2·2	—	5·4	—	3·6	—	4·0	—	3·1	—	4·0	—	4·5	—	4·9
29	—	3·1	—	2·2	—	3·1	—	3·1	—	3·6	—	3·6	—	3·6	—	5·8	—	7·6	—	6·3	—	5·8	—	7·6
30	—	3·6	—	4·0	—	3·6	—	2·7	—	2·7	—	2·2	—	5·8	—	7·6	—	7·2	—	8·1	—	8·5	—	8·9
31	—	5·4	—	4·5	—	4·0	—	1·8	—	6·7	—	6·3	—	5·8	—	6·3	—	7·2	—	6·7	—	5·8	—	5·4
Mean ...	—	3·8	—	3·7	—	4·1	—	4·1	—	4·3	—	4·4	—	4·7	—	5·2	—	6·3	—	6·8	—	6·8	—	7·1
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities

DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* MAY, 1911.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
—	8·9	—	8·9	—	9·8	—	9·8	—	10·3	—	9·4	—	10·7	—	11·2	—	10·7	—	12·5	—	12·5	—	12·1	6·4	1
—	11·6	—	8·5	—	6·7	—	6·3	—	4·9	—	7·2	—	4·9	—	5·4	—	6·3	—	2·2	—	3·6	—	5·8	9·7	2
—	16·5	—	13·0	—	5·4	—	4·0	—	6·7	—	6·7	—	7·6	—	7·2	—	8·9	—	8·5	—	8·9	—	8·5	8·8	3
—	9·8	—	10·3	—	10·3	—	8·9	—	5·8	—	7·6	—	2·7	—	3·1	—	3·1	—	4·5	—	1·8	—	2·7	6·7	4
—	6·7	—	6·3	—	6·7	—	6·3	—	6·7	—	4·9	—	5·4	—	3·1	—	0·5	—	0·5	—	0·0	—	0·0	4·3	5
—	6·3	—	5·8	—	6·7	—	7·2	—	7·2	—	6·7	—	3·1	—	2·2	—	2·2	—	1·8	—	2·7	—	1·3	3·0	6
—	8·9	—	10·7	—	11·6	—	12·1	—	10·7	—	11·2	—	9·8	—	8·9	—	9·8	—	9·8	—	9·4	—	7·6	7·9	7
—	4·0	—	4·5	—	4·5	—	3·1	—	1·3	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	1·3	—	2·7	3·4	8
—	6·3	—	6·7	—	7·2	—	7·2	—	6·3	—	6·7	—	5·8	—	5·8	—	3·6	—	4·0	—	4·0	—	4·0	4·7	9
—	9·8	—	8·1	—	7·6	—	6·3	—	5·8	—	5·8	—	2·2	—	3·6	—	1·8	—	3·6	—	4·0	—	5·8	6·0	10
—	9·8	—	9·8	—	9·4	—	10·7	—	8·5	—	9·4	—	8·1	—	6·3	—	6·7	—	5·8	—	3·6	—	4·9	7·0	11
—	9·4	—	8·1	—	8·9	—	8·1	—	7·6	—	6·7	—	5·4	—	2·2	—	3·1	—	6·7	—	3·1	—	6·3	6·9	12
—	6·7	—	6·7	—	7·2	—	6·3	—	7·6	—	6·7	—	4·9	—	5·8	—	6·7	—	7·2	—	5·8	—	4·9	5·9	13
—	0·9	—	1·3	—	0·9	—	4·5	—	8·1	—	5·4	—	4·0	—	1·3	—	0·0	—	0·5	—	0·0	—	0·5	2·9	14
—	7·6	—	6·3	—	7·6	—	8·9	—	8·9	—	8·5	—	4·5	—	1·8	—	0·5	—	0·5	—	0·5	—	0·0	3·2	15
—	4·9	—	7·2	—	7·2	—	7·6	—	7·6	—	5·8	—	3·6	—	1·3	—	0·9	—	0·0	—	0·5	—	0·0	2·8	16
—	3·1	—	2·7	—	2·7	—	1·8	—	1·8	—	4·0	—	6·3	—	3·1	—	2·7	—	5·4	—	4·5	—	4·0	2·0	17
—	2·2	—	2·2	—	2·2	—	2·2	—	2·2	—	2·7	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	3·6	2·8	18
—	6·7	—	7·2	—	6·7	—	6·3	—	5·8	—	7·6	—	7·6	—	5·8	—	4·0	—	3·6	—	3·0	—	4·5	5·9	19
—	5·8	—	4·9	—	5·4	—	5·4	—	5·4	—	4·9	—	3·6	—	2·7	—	1·8	—	2·2	—	1·8	—	0·5	4·7	20
—	5·8	—	6·7	—	6·7	—	6·3	—	4·9	—	4·9	—	4·0	—	1·3	—	1·3	—	0·5	—	0·5	—	0·5	2·8	21
—	10·3	—	11·2	—	11·6	—	11·2	—	10·7	—	10·3	—	9·4	—	7·6	—	5·8	—	4·9	—	4·9	—	5·8	6·4	22
—	7·2	—	8·1	—	7·6	—	6·7	—	7·2	—	7·6	—	7·2	—	7·2	—	6·7	—	5·8	—	5·4	—	5·8	7·8	23
—	9·4	—	10·3	—	8·9	—	8·1	—	7·6	—	6·7	—	6·3	—	8·9	—	8·9	—	8·1	—	8·1	—	8·5	7·8	24
—	11·6	—	10·7	—	12·1	—	10·3	—	11·2	—	9·4	—	6·3	—	3·6	—	1·8	—	0·5	—	0·5	—	0·0	9·0	25
—	5·4	—	5·4	—	4·0	—	4·9	—	4·9	—	4·0	—	1·8	—	1·3	—	0·5	—	1·3	—	0·5	—	0·5	2·7	26
—	4·0	—	2·7	—	3·6	—	5·8	—	4·9	—	2·2	—	1·8	—	0·5	—	3·1	—	2·7	—	0·9	—	3·6	2·3	27
—	4·9	—	5·4	—	6·7	—	5·4	—	5·8	—	4·9	—	3·1	—	0·9	—	0·9	—	2·7	—	2·7	—	3·6	3·6	28
—	7·6	—	7·6	—	6·7	—	7·6	—	7·6	—	7·6	—	4·9	—	4·5	—	4·5	—	4·0	—	2·7	—	3 1	5·2	29
—	7·6	—	6·3	—	6·3	—	7·2	—	7·6	—	5·4	—	2·2	—	1·3	—	3·1	—	4·0	—	3·6	—	3·6	5·1	30
—	7·2	—	7·2	—	6·7	—	8·9	—	8·9	—	5·8	—	4·5	—	3·6	—	0·9	—	1·8	—	1·8	—	1·3	5·2	31
—	7·3	—	7·1	—	7·0	—	6·9	—	6·8	—	6·4	—	4·9	—	3·9	—	3·6	—	3·7	—	3·3	—	3·7	5·2	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

were obtained, does not record the direction of the wind.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. MAY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	0·25	0·51	1·27
2	0·25	0·51	—	0·25	1·52	1·27	0·51	0·76	0·76	0·25	2·28	1·02	1·27	0·76	—	—	—	—	—	—	0·51	0·51	—	—	12·43
3	—	—	—	—	—	—	0·51	0·76	2·79	3·05	3·81	4·82	5·33	4·06	2·03	0·25	0·25	—	0·25	—	—	0·76	—	—	28·67
4	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·02	0·76	—	—	—	—	—	—	2·28
5	—	—	—	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·75
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·25
8	0·25	0·25	0·76	0·25	—	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	2·26
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	2·54	3·30	4·32	0·76	0·25	—	—	—	—	—	—	—	0·76	—	0·25	—	2·03	—	—	—	—	0·76	0·25	—	15·22
15	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
16	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25	0·51	0·25	—	—	—	0·51	—	0·25	0·76	0·51	1·02	4·31
24	0·51	0·25	0·25	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	1·02	0·25	0·25	3·79
25	—	0·51	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·57	—	—	0·25	—	—	4·82
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	1·02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02
Sum ...	3·80	4·82	5·58	2·27	2·27	2·02	1·27	2·02	4·57	3·30	6·09	5·84	7·61	5·33	2·53	0·50	3·30	1·27	5·33	0·25	1·01	4·31	1·51	1·78	78·58
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. MAY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	·4	1·0	·4	—	·3	·1	—	—	—	—	—	—	—	—	—	2·2	● and ≋[s] after 14h.
2	—	—	—	—	—	—	—	—	—	—	—	·1	·2	·2	·5	·1	—	1·1	Stormy in forenoon.
3	—	—	—	—	—	—	—	—	—	—	—	—	·1	—	—	·2	—	0·3	●[s] and strong wind 7h.–15h.
4	—	—	·1	·2	·1	·8	·8	·7	·9	·7	·7	·8	—	—	—	—	—	5·8	Cloudy, ▲ in forenoon.
5	—	—	·1	·3	·2	·9	·7	·7	·8	·5	·7	·5	·2	—	·1	—	—	5·7	●[s] showers early.
6	—	—	·7	1·0	1·0	1·0	1·0	1·0	·9	·5	·6	·8	1·0	1·0	·8	—	—	11·3	Cloudless early; fine day.
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Damp and misty throughout.
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●[s] before 9h; generally overcast.
9	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	11·2	Very fine throughout, but ∞.
10	—	·2	—	·1	·5	—	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	9·7	Cloudy to bright.
11	—	—	—	·1	·4	1·0	1·0	1·0	·9	·8	·9	1·0	·9	1·0	·8	—	—	9·8	∞; fine.
12	—	·2	·8	·5	·6	·8	1·0	·9	·8	·8	1·0	1·0	·9	1·0	·9	—	—	11·2	Fine till 21h., cloudy later.
13	—	—	—	—	·1	—	—	—	·1	·1	·1	—	—	—	—	—	—	0·4	Cloudy to overcast.
14	—	—	—	—	—	—	—	·1	·1	·5	·1	—	—	—	—	—	—	0·8	Very cloudy, ●, and ⚢ 15h.–17h.
15	—	—	—	—	·1	—	·2	1·0	1·0	·9	·1	·6	1·0	1·0	1·0	·1	—	7·0	Damp and misty till 9h., then fine.
16	—	—	—	—	—	—	—	·3	·8	·5	·9	1·0	·9	·9	·5	—	—	5·8	A.M. overcast and ●[s]; P.M. fine.
17	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	—	—	—	13·0	Fine till 18h., then dull.
18	—	—	—	—	—	—	—	·4	·6	1·0	·4	·6	·3	·8	·2	—	—	4·3	≋[s] and overcast till 11h., fine later.
19	—	—	—	·2	·5	·5	·6	—	·3	·4	·7	·8	·3	·5	1·0	·9	—	6·7	Fine.
20	—	—	—	—	·1	·5	·5	1·0	1·0	1·0	1·0	1.0	1·0	·4	—	·1	—	7·6	Fine.
21	—	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·6	·7	—	10·5	∞, but fine throughout.
22	—	·1	—	—	·3	1·0	·7	·8	1·0	·8	·7	·9	·8	·7	—	—	—	7·8	Fine till 18h., then cloudy to overcast.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast; ● after 8h.
24	—	—	·2	·7	·9	1·0	1·0	·7	·8	·3	·1	—	—	—	—	—	—	5·7	Dull with fine interval 6h.–13h.; ● after [18h.
25	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	12·5	Very fine throughout. [19h.
26	—	—	·8	·8	·9	·4	·3	·6	1·0	1·0	·8	·7	·9	·7	—	—	—	8·9	Day generally fair, but ⚢[2] and ●[2] 18h.–
27	—	—	·5	·1	·6	·7	·9	·9	·9	·5	·6	·2	·5	·8	·1	—	—	7·3	Fine generally, but threatening-looking
28	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	14·1	∞; fine. [at times P.M.
29	·3	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	·4	15·5	Fine.
30	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	1·0	·9	·9	·9	1·0	·7	—	14·6	Fine.
31	—	—	·1	·2	·1	·1	·1	—	·1	—	·6	·2	·5	·9	1·0	—	—	3·9	●[2] shower about 8h., fine later.
	0·7	3·5	7·4	9·8	12·4	15·7	16·3	18·0	19·9	18·2	18·0	18·0	17·4	17·5	13·6	7·5	0·8	214·7	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE IN DEGREES ABSOLUTE,—DRY-BULB. MAY, 1911.

First figure (2) omitted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	74·9	73·4	72·5	71·7	70·6	71·0	72·9	75·2	79·6	80·2	80·6	81·3	82·2	82·1	81·5	80·8	80·8	80·7	80·4	80·3	80·6	80·3	80·5	80·4	80·7	78·2
2	80·7	80·7	80·7	80·8	80·8	80·7	80·8	80·9	81·3	81·4	81·7	81·4	81·5	81·3	81·4	80·8	81·2	81·3	81·3	80·3	79·6	78·6	76·3	75·9	76·5	80·4
3	75·5	76·1	75·6	76·3	76·4	76·8	77·8	78·5	78·8	77·9	78·2	78·1	78·9	80·1	80·6	78·7	79·9	79·1	79·1	78·4	78·1	78·0	77·4	77·5	77·4	78·1
4	77·4	77·2	76·7	76·3	76·3	76·4	77·0	77·9	79·0	80·1	81·2	79·2	82·9	83·0	83·8	82·6	79·0	79·5	79·6	79·1	78·6	78·1	78·1	76·8	77·2	79·0
5	77·2	76·5	76·2	77·6	77·6	78·1	78·2	79·2	79·9	81·8	81·3	82·5	82·2	82·7	84·1	84·1	83·3	82·9	82·2	80·3	78·7	78·4	77·4	75·9	74·1	79·9
6	74·1	73·3	72·5	71·5	71·3	70·8	72·9	75·6	80·2	82·3	83·3	84·0	84·7	85·0	85·3	85·7	85·6	84·3	83·6	82·0	81·2	80·9	81·0	80·9	80·8	79·8
7	80·8	81·0	81·1	81·1	81·1	81·2	81·3	81·3	81·4	81·5	81·9	81·7	81·4	82·2	81·9	81·7	81·8	82·0	81·8	81·5	81·3	81·1	81·0	80·8	80·7	81·4
8	80·7	80·6	80·7	80·7	80·7	80·7	81·0	81·3	81·9	81·8	82·4	83·3	82·8	82·5	82·5	82·9	83·1	82·9	83·3	83·1	82·9	82·1	81·7	81·7	82·1	82·0
9	82·1	81·4	81·7	80·8	81·2	81·3	81·2	82·1	82·9	84·7	85·6	87·4	89·1	89·8	89·6	89·1	89·0	88·0	86·5	83·8	82·1	80·3	79·1	78·6	78·1	84·0
10	78·1	77·8	78·6	78·7	78·6	78·8	79·5	79·2	80·3	82·0	81·5	85·2	87·7	88·8	89·0	89·1	88·5	87·9	87·2	86·3	83·2	81·1	80·8	80·7	79·8	82·9
11	79·8	79·4	78·9	78·5	77·8	79·7	80·1	80·6	82·9	85·2	88·1	89·4	90·9	90·8	91·4	90·8	89·6	89·6	88·0	85·1	84·1	82·4	81·4	81·3	81·4	84·4
12	81·4	81·9	80·3	79·8	80·2	80·5	82·3	83·8	86·3	86·7	89·5	89·1	91·3	90·7	91·3	91·3	90·9	89·7	87·9	86·2	84·7	83·0	82·1	81·3	81·3	85·5
13	81·3	80·9	80·7	80·7	80·7	81·0	81·3	81·4	83·1	84·6	84·7	85·1	86·8	87·2	87·1	86·7	85·8	84·1	83·6	82·6	81·9	81·7	81·3	81·2	81·0	83·1
14	81·0	80·6	80·8	80·4	80·4	80·4	80·3	80·6	81·2	82·5	83·7	85·9	87·3	86·3	87·8	87·4	87·4	85·3	85·3	85·0	84·7	84·5	84·1	84·0	83·8	83·7
15	83·8	82·9	82·7	82·6	82·1	82·1	82·4	82·8	83·6	84·1	84·1	86·3	87·1	87·2	86·3	87·0	87·3	87·3	86·2	85·0	81·7	80·4	79·1	77·8	77·3	83·7
16	77·3	76·3	76·5	77·1	77·9	78·6	79·2	79·8	80·7	82·5	82·6	83·1	86·2	86·2	86·5	86·8	87·4	86·9	85·2	84·0	82·2	80·1	78·2	77·4	76·4	81·6
17	76·4	75·4	75·5	75·2	75·1	75·1	78·7	82·4	86·3	87·4	88·0	88·1	88·9	89·5	90·0	90·2	90·3	90·0	87·4	85·2	82·9	81·8	80·8	80·2	80·1	83·4
18	80·1	80·0	80·1	80·0	80·1	80·2	80·3	80·4	80·7	81·3	81·9	83·5	85·2	86·6	88·0	88·3	88·4	88·5	87·0	86·4	83·7	81·9	80·2	80·9	80·3	83·1
19	80·3	80·3	79·6	79·0	79·7	79·3	79·9	80·5	80·8	82·2	83·4	83·4	83·1	84·1	84·7	84·0	84·0	83·7	83·2	82·2	80·4	79·7	78·5	78·1	79·1	81·4
20	79·1	79·4	79·5	79·3	79·2	78·8	78·7	79·1	80·0	80·6	81·4	83·0	83·3	83·5	84·6	85·1	85·7	84·7	83·1	81·0	79·3	76·8	76·8	75·6	75·2	80·7
21	75·2	75·2	73·5	73·1	72·3	73·2	75·2	76·7	79·3	82·5	83·8	85·8	86·9	88·3	89·2	89·3	89·3	89·5	88·2	87·4	84·1	81·7	79·5	77·9	76·3	81·6
22	76·3	75·6	74·6	74·3	76·7	80·1	81·0	83·5	83·7	85·2	85·7	86·0	87·4	87·3	86·5	86·4	85·8	85·7	85·2	84·1	83·4	82·9	82·5	82·0	82·2	82·7
23	82·2	82·0	82·4	82·2	81·9	82·2	82·4	82·5	82·6	82·9	83·0	83·5	84·1	84·0	83·6	83·6	84·0	84·1	84·2	83·9	84·3	83·7	83·5	83·7	83·9	83·2
24	83·9	84·1	84·1	84·1	84·1	84·1	84·3	85·2	84·8	85·2	86·7	87·3	88·5	87·4	86·5	86·0	85·8	85·0	84·6	84·1	83·7	83·7	83·6	83·8	83·6	85·0
25	83·6	83·3	83·3	83·2	82·7	82·2	81·9	82·2	84·2	86·0	86·7	86·7	87·3	87·6	87·8	88·1	88·4	87·8	87·3	86·3	84·7	82·3	80·6	78·6	78·8	84·6
26	78·8	78·1	78·3	76·9	79·0	80·8	82·9	84·8	87·3	88·8	88·2	89·7	90·9	91·4	90·7	90·9	92·2	91·5	89·9	86·9	86·5	86·3	86·3	86·3	85·9	86·1
27	85·9	85·8	85·2	84·7	84·0	83·7	85·3	86·8	87·8	90·0	90·2	91·3	92·9	91·7	92·4	91·6	91·4	91·2	90·5	89·7	88·6	87·4	86·7	84·5	85·3	88·3
28	85·3	84·8	84·6	83·8	83·0	83·8	85·1	86·3	87·8	90·0	92·5	93·5	94·1	94·3	94·1	93·8	93·7	92·9	91·3	89·5	87·1	84·3	84·0	82·4	82·4	88·4
29	82·4	81·2	81·3	81·4	81·3	82·6	85·0	87·6	90·1	91·2	92·3	93·1	93·9	94·3	94·7	94·0	93·7	92·5	91·2	89·6	87·4	85·5	83·5	84·1	83·4	88·1
30	83·4	83·6	84·0	83·0	82·3	83·0	85·7	87·5	89·1	90·8	92·6	93·5	94·0	93·5	93·5	93·5	92·6	91·8	91·1	89·7	87·1	85·9	84·0	82·8	82·4	88·2
31	82·4	82·7	84·9	84·9	84·7	84·7	84·5	85·8	87·3	86·2	86·5	86·7	88·0	89·8	90·3	91·9	91·8	91·8	92·3	90·2	89·2	88·6	88·5	87·2	87·2	87·6
Mean ...	80·1	79·7	79·6	79·3	79·3	79·7	80·6	81·7	83·1	84·2	84·9	85·7	86·8	87·1	87·3	87·2	87·0	86·5	85·7	84·5	83·2	82·0	81·2	80·7	80·5	83·2
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). MAY, 1911.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	85	82	84	83	78	83	71	68	78	71	67	69	65	76	84	86	92	95	99	100	98	100	100	100	100	84·3
2	100	99	96	95	93	94	93	95	94	94	95	98	98	98	95	87	79	73	68	71	77	78	93	90	96	89·6
3	96	92	94	93	98	95	86	93	90	95	96	94	95	100	98	90	89	88	87	86	85	84	90	86	87	91·5
4	87	93	88	86	85	89	90	87	86	85	70	79	63	62	59	63	85	86	92	94	97	98	96	95	87	83·9
5	87	91	90	88	91	92	95	89	88	75	73	66	69	61	61	60	62	63	64	71	84	80	84	86	84	77·9
6	84	84	71	89	84	80	77	85	80	68	70	66	68	69	69	66	64	68	70	82	88	91	92	95	97	77·8
7	97	99	100	97	99	99	100	100	100	96	100	100	100	96	100	100	96	93	93	90	94	95	97	99	100	97·5
8	100	100	100	100	100	100	100	99	98	97	96	90	95	96	93	89	92	91	89	92	93	95	95	95	96	95·5
9	96	98	97	97	97	98	96	94	86	87	82	76	69	54	46	41	35	40	45	56	58	69	72	77	77	73·2
10	77	78	77	78	86	88	88	90	86	84	92	80	66	62	63	63	69	71	75	77	89	93	94	94	97	80·5
11	97	94	93	96	96	98	100	100	95	86	70	58	54	51	47	46	48	51	59	72	78	88	93	94	95	77·6
12	95	93	98	99	98	92	93	89	73	72	68	66	60	61	61	62	65	70	73	82	86	92	97	95	95	80·9
13	95	98	99	98	100	98	95	96	91	87	86	86	81	78	77	78	82	86	88	92	97	95	96	94	97	90·5
14	97	99	94	97	98	99	100	100	100	99	97	92	91	93	89	91	93	98	100	98	99	98	100	100	100	96·8
15	100	100	97	97	100	99	100	100	96	94	95	76	79	79	82	78	74	69	74	71	82	85	92	92	91	87·8
16	91	92	94	91	95	94	97	99	100	100	100	100	83	72	79	72	71	70	76	82	82	81	89	86	90	87·3
17	90	89	88	90	87	88	88	86	56	50	53	52	52	52	54	53	51	48	70	70	84	87	94	94	96	72·0
18	96	95	95	97	98	98	98	97	95	95	93	84	77	73	74	67	65	59	75	74	84	88	93	94	94	86·0
19	94	91	88	89	98	89	82	79	76	70	67	69	78	69	74	76	75	78	78	76	84	81	90	89	85	80·6
20	85	81	81	83	84	83	81	77	74	69	72	70	77	75	72	69	72	74	79	83	82	94	86	88	88	78·9
21	88	92	90	87	86	93	95	94	91	82	80	79	76	73	71	70	72	69	79	66	72	69	79	84	89	80·8
22	89	88	90	89	94	94	96	83	81	72	70	68	72	77	84	81	66	66	67	79	88	88	92	92	88	81·9
23	88	86	87	88	93	90	92	95	98	95	97	95	94	96	99	99	100	100	100	100	99	100	100	100	100	95·7
24	100	100	100	100	100	99	91	85	74	69	67	76	79	85	87	90	89	94	100	100	100	100	100	100	100	91·0
25	100	100	100	100	100	100	100	94	89	68	64	66	66	66	65	65	64	67	65	70	80	89	90	98	94	81·8
26	94	95	95	95	92	93	85	83	71	65	69	66	66	66	63	63	63	63	73	95	98	98	99	96	100	81·2
27	100	99	98	100	100	100	100	94	89	75	77	73	63	69	64	69	70	69	75	86	94	94	94	89	97	85·0
28	97	95	92	93	94	91	81	83	81	72	58	49	49	48	48	50	50	50	46	50	60	79	77	82	83	69·5
29	83	90	86	85	85	81	78	72	67	58	55	54	51	49	49	51	52	52	55	58	57	57	65	66	70	64·5
30	70	68	65	68	69	71	64	61	61	62	51	43	48	49	57	54	51	50	53	59	65	69	82	88	88	62·0
31	88	86	71	72	75	78	82	74	72	78	80	87	86	79	78	73	75	69	66	81	80	80	76	79	79	77·5
Mean ...	91·8	91·8	90·3	91·0	92·0	91·8	90·1	88·4	84·4	79·7	77·7	75·1	73·2	72·1	72·3	71·0	71·3	71·6	75·3	79·5	84·3	86·9	90·2	90·9	91·6	82·6
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** JUNE, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.

Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).

WIND.—Direction at each hour, G.M.T.

Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.

RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.

SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.

TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.

RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE and TEMPERATURE. JUNE, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0208	·0157	90·6	85·4	9	·0189	·0154	93·7	82·4	17	·0017	**·9944**	91·8	85·3	25	·0207	·0131	85·1	81·7
2	·0205	·0128	90·8	82·7	10	·0156	·0149	92·6	83·4	18	·0005	·9946	91·6	85·4	26	·0207	·0188	86·5	83·4
3	·0194	·0118	87·8	85·4	11	·0155	·0142	91·4	83·3	19	·0092	·0001	88·3	85·1	27	·0268	·0205	89·9	85·7
4	·0270	·0194	89·0	83·4	12	·0151	·0134	90·1	83·0	20	·0147	·0089	88·9	84·3	28	·0266	·0219	88·4	86·2
5	·0318	·0270	91·2	**80·0**	13	·0163	·0146	89·0	82·8	21	·0147	·0023	90·0	85·1	29	·0219	·0106	88·5	84·9
6	**·0330**	·0302	93·2	85·2	14	·0183	·0152	90·9	81·5	22	·0070	·0016	87·4	84·9	30	·0106	·0066	89·0	84·7
7	·0304	·0263	97·0	85·4	15	·0178	·0093	88·3	85·1	23	·0088	·0061	86·8	83·1					
8	·0263	·0189	**97·8**	85·2	16	·0099	·0017	91·0	86·0	24	·0137	·0021	87·6	82·8					
															Mean.	—	—	90·1	84·1

TABLE II.

VALENCIA. JUNE, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0159	·0161	·0163	·0167	·0170	·0175	·0178	·0182	·0186	·0188	·0188	·0192	·0193	·0194	·0196	·0197	·0198	·0201	·0203	·0203	·0202	·0204	·0204	·0206	·0205	·0189
2	·0205	·0202	·0198	·0194	·0189	·0189	·0189	·0187	·0186	·0182	·0176	·0174	·0169	·0164	·0157	·0154	·0145	·0143	·0138	·0140	·0139	·0137	·0136	·0132	·0128	·0166
3	·0128	·0126	·0125	·0124	·0118	·0121	·0124	·0127	·0132	·0138	·0140	·0141	·0142	·0147	·0150	·0152	·0155	·0162	·0168	·0173	·0178	·0183	·0188	·0192	·0194	·0149
4	·0194	·0198	·0201	·0205	·0207	·0210	·0218	·0222	·0223	·0228	·0232	·0236	·0238	·0239	·0240	·0242	·0244	·0245	·0247	·0252	·0255	·0262	·0265	·0270	·0270	·0234
5	·0270	·0271	·0272	·0273	·0276	·0279	·0281	·0288	·0290	·0291	·0292	·0294	·0295	·0294	·0292	·0295	·0293	·0293	·0294	·0300	·0303	·0306	·0310	·0313	·0318	·0291
6	·0318	·0316	·0316	·0317	·0320	·0325	·0325	·0328	·0327	·0329	·0330	·0328	·0324	·0323	·0317	·0316	·0311	·0307	·0305	·0306	·0305	·0307	·0307	·0308	·0304	·0317
7	·0304	·0303	·0300	·0296	·0297	·0297	·0296	·0298	·0293	·0291	·0286	·0284	·0281	·0279	·0272	·0272	·0273	·0272	·0271	·0270	·0267	·0268	·0267	·0266	·0263	·0283
8	·0263	·0259	·0253	·0249	·0245	·0240	·0236	·0236	·0233	·0230	·0224	·0220	·0217	·0213	·0204	·0200	·0198	·0198	·0197	·0196	·0194	·0193	·0193	·0192	·0189	·0219
9	·0189	·0185	·0181	·0177	·0170	·0169	·0170	·0170	·0168	·0166	·0163	·0162	·0160	·0160	·0158	·0157	·0157	·0154	·0154	·0154	·0155	·0157	·0158	·0156	·0155	·0164
10	·0155	·0154	·0153	·0153	·0151	·0153	0154	·0155	·0156	·0156	·0155	·0154	·0154	·0155	·0153	·0152	·0151	·0150	·0150	·0150	·0151	·0152	·0153	·0152	·0151	·0153
11	·0151	·0150	·0145	·0144	·0142	·0143	·0143	·0143	·0144	·0144	·0144	·0145	·0145	·0146	·0147	·0147	·0147	·0147	·0148	·0150	·0150	·0153	·0154	·0153	·0150	·0147
12	·0150	·0151	·0149	·0146	·0145	·0145	·0145	·0147	·0147	·0145	·0143	·0143	·0141	·0139	·0139	·0138	·0137	·0135	·0134	·0135	·0136	·0142	·0144	·0147	·0146	·0143
13	·0146	·0148	·0147	·0148	·0149	·0153	·0155	·0158	·0160	·0160	·0161	·0160	·0160	·0157	·0157	·0154	·0150	·0151	·0152	·0151	·0149	·0150	·0154	·0154	·0154	·0154
14	·0154	·0154	·0154	·0153	·0155	·0155	·0155	·0159	·0162	·0165	·0166	·0173	·0175	·0178	·0178	·0174	·0173	·0175	·0176	·0175	·0177	·0182	·0180	·0179	·0178	·0168
15	·0178	·0175	·0171	·0166	·0163	·0161	·0158	·0154	·0154	·0153	·0148	·0148	·0145	·0140	·0131	·0130	·0125	·0119	·0113	·0110	·0103	·0097	·0094	·0095	·0096	·0137
16	·0096	·0096	·0094	·0095	·0094	·0093	·0094	·0095	·0092	·0087	·0084	·0081	·0076	·0071	·0064	·0059	·0053	·0046	·0038	·0038	·0033	·0032	·0029	·0023	·0017	·0068
17	·0017	·0012	·0004	·9996	·9991	·9986	·9986	·9984	·9982	·9978	·9973	·9970	·9963	·9960	·9955	·9950	·9948	·9945	·9945	·9946	·9947	·9948	·9949	·9948	·9948	·9967
18	·9948	·9948	·9946	·9946	·9949	·9950	·9955	·9962	·9967	·9972	·9976	·9979	·9982	·9985	·9987	·9991	·9989	·9992	·9995	·9998	·0001	·0002	·0005	·0004	·0004	·9979
19	·0004	·0003	·0001	·0001	·0004	·0006	·0013	·0015	·0022	·0030	·0032	·0038	·0042	·0047	·0051	·0057	·0062	·0067	·0073	·0079	·0084	·0089	·0091	·0092	·0091	·0044
20	·0091	·0095	·0093	·0092	·0093	·0095	·0096	·0098	·0104	·0107	·0109	·0114	·0117	·0120	·0121	·0128	·0130	·0132	·0135	·0138	·0138	·0143	·0145	·0146	·0147	·0117
21	·0147	·0146	·0143	·0142	·0142	·0141	·0141	·0142	·0138	·0137	·0130	·0127	·0123	·0122	·0112	·0106	·0096	·0086	·0069	·0058	·0050	·0047	·0036	·0030	·0023	·0106
22	·0023	·0019	·0018	·0017	·0019	·0020	·0023	·0025	·0028	·0032	·0035	·0036	·0036	·0037	·0047	·0056	·0061	·0062	·0064	·0067	·0067	·0068	·0068	·0069	·0067	·0042
23	·0067	·0065	·0062	·0062	·0062	·0064	·0066	·0068	·0069	·0069	·0070	·0073	·0074	·0075	·0078	·0081	·0081	·0084	·0085	·0088	·0086	·0088	·0086	·0083	·0077	·0075
24	·0077	·0071	·0061	·0052	·0041	·0030	·0022	·0026	·0037	·0053	·0064	·0084	·0093	·0101	·0106	·0108	·0113	·0119	·0124	·0127	·0128	·0135	·0136	·0136	·0137	·0086
25	·0137	·0136	·0135	·0135	·0132	·0139	·0140	·0146	·0152	·0149	·0157	·0164	·0166	·0168	·0168	·0173	·0177	·0180	·0183	·0188	·0191	·0197	·0202	·0205	·0207	·0165
26	·0207	·0206	·0205	·0205	·0205	·0204	·0205	·0205	·0205	·0205	·0205	·0204	·0205	·0202	·0196	·0194	·0193	·0190	·0190	·0188	·0190	·0194	·0199	·0200	·0205	·0200
27	·0205	·0208	·0209	·0212	·0214	·0217	·0222	·0227	·0234	·0241	·0243	·0252	·0255	·0258	·0259	·0262	·0259	·0259	·0258	·0257	·0260	·0264	·0266	·0266	·0265	·0243
28	·0265	·0263	·0260	·0256	·0253	·0252	·0253	·0253	·0254	·0256	·0254	·0253	·0252	·0254	·0252	·0251	·0249	·0249	·0246	·0242	·0236	·0232	·0231	·0227	·0219	·0249
29	·0219	·0213	·0207	·0201	·0195	·0194	·0195	·0197	·0196	·0193	·0187	·0183	·0178	·0171	·0162	·0155	·0147	·0141	·0134	·0125	·0120	·0118	·0114	·0110	·0106	·0167
30	·0106	·0103	·0099	·0093	·0088	·0088	·0088	·0092	·0092	·0094	·0094	·0095	·0096	·0098	·0096	·0096	·0093	·0091	·0084	·0086	·0081	·0078	·0080	·0072	·0067	·0090
Mean...	1·0 1524	1·0 1512	1·0 1488	1·0 1472	1·0 1460	1·0 1465	1·0 1475	1·0 1496	1·0 1511	1·0 1523	1·0 1520	1·0 1536	1·0 1532	1·0 1532	1·0 1515	1·0 1516	1·0 1503	1·0 1498	1·0 1491	1·0 1497	1·0 1492	1·0 1509	1·0 1515	1·0 1509	1·0 1494	1·0 1503
Normals 1871–1910.	1·0 1498	1·0 1477	1·0 1457	1·0 1436	1·0 1426	1·0 1426	1·0 1443	1·0 1453	1·0 1470	1·0 1477	1·0 1484	1·0 1491	1·0 1494	1·0 1494	1·0 1487	1·0 1481	1·0 1477	1·0 1470	1·0 1470	1·0 1477	1·0 1484	1·0 1501	1·0 1518	1·0 1511	1·0 1501	1·0 1475

(21711—24.) Wt. 41466—310. 250. 11/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—Direction (D) in Numbers (8 = E. 16 = S. 24 = W. 32 = N) and Velocity (V.) in Metres per Second, deduced from the records of the Robinson Anemometer. JUNE, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	0·5	—	0·0	—	0·9	—	0·9	1	1·8	—	0·0	—	0·5	—	0·5	—	0·5	27	1·8	—	1·3	23	1·8
2	—	0·0	—	0·9	—	0·9	—	0·5	—	0·5	—	0·9	12	1·8	13	2·2	13	4·0	13	3·1	14	4·0	14	3·6
3	—	0·9	—	0·9	—	0·9	26	1·8	26	3·1	26	2·2	32	2·2	2	2·7	—	1·3	—	1·3	1	3·1	32	5·4
4	32	9·4	32	8·5	32	8·5	32	7·6	32	5·8	32	5·4	32	4·5	32	4·5	32	4·5	32	5·4	31	5·8	31	7·2
5	—	1·3	2	1·8	2	1·8	—	1·3	2	1·8	2	1·8	—	0·9	1	1·8	30	3·1	28	4·0	28	3·1	25	2·2
6	—	0·9	—	0·9	—	1·3	3	1·8	3	3·1	3	3·6	3	4·9	3	4·9	4	6·7	4	6·7	4	6·7	4	7·6
7	5	3·1	5	4·5	—	1·3	—	0·5	—	0·9	3	3·1	—	0·9	31	1·8	8	2·2	—	0·9	6	2·7	6	3·6
8	—	0·9	9	1·8	9	2·2	8	1·8	—	0·9	—	0·0	—	0·5	6	2·2	5	3·1	3	2·7	4	3·1	8	4·0
9	—	0·9	32	2·2	2	1·8	—	1·3	—	0·9	—	0·0	—	0·5	3	4·9	3	6·3	3	5·8	3	4·9	2	5·8
10	5	3·6	—	0·9	—	0·0	—	0·5	—	0·5	—	0·0	—	0·0	—	0·5	—	1·3	26	2·2	25	3·1	25	3·1
11	—	0·0	—	0·0	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·0	—	0·5	18	2·2	19	1·8
12	—	0·0	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·5	—	1·3	31	4·5	30	5·4	30	5·4	30	5·4
13	2	2·7	2	3·1	2	4·0	2	4·5	2	4·5	2	4·0	2	5·8	2	5·8	2	8·1	2	7·2	1	5·4	1	6·3
14	3	3·6	5	2·2	3	1·8	5	1·8	5	2·7	—	1·3	7	3·1	10	3·1	11	3·6	11	3·1	12	5·8	12	4·9
15	8	5·8	8	6·3	8	5·4	8	5·8	8	4·9	8	5·8	8	7·2	8	6·7	8	5·8	8	6·7	7	6·3	8	6·3
16	11	3·6	12	3·1	12	3·1	12	2·2	12	3·1	12	1·8	12	1·8	9	3·1	9	1·8	9	2·2	10	2·2	12	4·0
17	—	0·5	—	0·5	—	0·9	—	0·9	—	1·3	—	1·3	11	1·8	11	1·8	13	4·0	13	3·1	15	3·6	15	4·0
18	—	0·9	20	2·7	20	3·1	20	4·5	20	4·5	20	6·3	20	4·0	22	2·7	22	1·8	22	2·7	22	3·1	22	4·0
19	26	2·2	28	3·1	28	2·2	28	3·1	28	3·6	28	4·9	28	4·5	28	5·4	28	4·5	26	5·4	26	5·8	26	6·7
20	23	6·7	23	5·4	22	4·5	22	4·9	22	4·9	22	4·0	22	5·4	22	6·3	22	6·7	22	8·1	22	7·6	22	6·3
21	22	4·5	22	5·4	22	5·4	22	5·4	22	6·7	20	5·4	17	5·4	17	5·4	17	6·3	17	5·8	17	5·4	16	6·7
22	17	9·4	18	10·7	18	10·3	18	9·8	18	10·3	19	10·3	19	9·4	19	9·4	19	8·1	19	9·8	19	8·1	19	10·7
23	25	2·7	25	2·2	25	2·7	25	1·8	—	0·9	—	0·9	—	0·9	25	3·1	26	5·4	26	4·9	26	5·4	26	6·7
24	27	11·6	26	10·7	26	11·6	26	13·0	26	14·8	27	14·8	28	15·2	29	14·3	32	13·4	32	11·6	1	9·8	1	9·4
25	31	11·6	31	11·6	31	12·5	32	12·1	32	11·6	32	11·6	32	12·5	31	12·5	31	13·9	31	12·5	31	10·3	31	11·6
26	30	8·9	30	7·2	30	7·2	30	7·2	30	6·7	30	5·4	30	5·4	30	4·9	29	5·8	27	4·5	27	4·5	26	4·0
27	26	4·9	26	5·4	26	4·9	26	3·1	26	2·2	26	4·5	26	4·5	27	4·5	27	4·9	27	6·7	27	5·4	26	3·6
28	23	6·3	23	4·0	22	5·4	22	6·7	22	6·7	22	7·2	22	7·2	22	6·7	22	6·7	22	8·1	22	7·2	22	6·3
29	19	7·6	19	7·6	19	6·7	19	5·4	21	7·2	22	6·3	22	6·7	22	7·2	22	6·7	22	7·2	22	6·7	22	8·1
30	22	8·9	22	8·5	22	6·3	22	5·4	22	3·6	27	3·1	27	2·7	28	2·7	28	2·7	28	4·0	28	3·1	28	3·6
Mean ...	—	4·1	—	4·1	—	4·0	—	3·9	—	4·0	—	3·9	—	4·1	—	4·5	—	4·9	—	5·1	—	5·0	—	5·5
Normals 1881–1910.	—	3·7	—	3·6	—	3·6	—	3·6	—	3·6	—	3·8	—	4·0	—	4·3	—	4·7	—	5·0	—	5·2	—	5·6

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
1	23	1·8	23	4·5	23	4·0	23	4·0	23	1·8	—	1·3	—	0·5	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	1·2	1
2	14	4·0	14	4·0	14	3·1	14	3·1	14	3·1	14	3·1	—	1·3	—	0·9	—	0·0	—	0·0	—	0 5	—	0·0	1·9	2
3	32	8·1	32	7·6	32	6·7	32	6·7	32	6·7	32	6·7	32	8·1	32	5·4	32	5·8	32	6·7	32	6·7	32	8·1	4·5	3
4	31	7·6	31	7·6	31	6·7	31	5·4	31	5·8	31	6·3	31	5·4	31	5·4	31	4·5	31	2·2	—	0·5	—	1·3	5·7	4
5	26	5·8	26	6·7	26	6·7	26	6·7	26	6·7	26	5·4	27	5·4	27	3·6	3	1·8	—	1·3	—	0·9	17	1·8	3·2	5
6	4	7·6	4	8·1	4	5·8	2	5·4	3	6·7	2	5·4	3	4·9	2	3·6	2	3·1	5	3·6	5	3·1	5	4·9	4·6	6
7	5	5·4	5	5·4	5	4·5	18	3·1	20	2·2	25	2·2	—	0·9	—	1·3	—	0·0	—	0·5	—	0·5	—	0·9	2·2	7
8	5	4·5	5	3·6	9	4·5	10	3·1	19	1·8	20	2·7	—	0·5	—	0·0	—	0·9	—	0·5	—	0·0	20	1·8	2·0	8
9	2	5·8	2	5·4	2	5·8	2	6·3	2	7·2	2	5·8	2	4·9	2	4·5	2	3·6	3	3·1	5	4·9	5	3·1	4·0	9
10	25	3·6	25	4·5	25	3·1	25	3·1	25	2·7	—	1·3	—	1·3	—	0·9	—	0·0	—	0·9	—	0·9	19	1·8	1·7	10
11	24	3·1	24	2·7	24	1·8	23	2·7	23	2·7	23	3·1	23	1·8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·1	11
12	30	7·2	30	7·2	30	7·6	30	7·2	30	7·6	30	8·9	30	8·1	32	7·6	32	6·7	32	5·4	2	3·1	2	2·7	4·4	12
13	1	6·3	32	6·3	32	6·7	32	7·2	32	5·8	32	6·3	32	5·8	32	4·5	2	3·1	2	3·1	3	3·1	3	6·7	5·3	13
14	12	4·5	12	5·4	12	5·4	12	5·4	12	6·7	12	6·7	12	5·8	12	5·4	12	5·4	12	4·9	9	4·5	8	4·9	4·3	14
15	8	8·5	9	8·5	9	8·1	8	8·9	8	8·9	8	10·3	8	12·1	8	11·6	8	11·6	9	12·5	9	11·2	9	6·7	8·0	15
16	12	2·2	12	3·1	12	4·9	13	4·9	12	2·7	12	1·8	—	0·9	—	0·9	—	0·5	—	0·5	—	1·3	16	1·8	2·4	16
17	15	3·1	15	3·6	15	4·5	15	4·5	15	3·6	15	1·8	22	2·7	22	1·8	—	0·5	—	0·5	—	0·9	—	1·3	2·2	17
18	22	4·0	22	3·6	22	4·0	22	3·1	22	3·1	23	3·1	23	1·8	23	1·8	—	1·3	26	1·8	26	2·7	26	3·1	3·1	18
19	26	6·7	25	8·1	26	8·1	25	6·7	25	6·7	25	8·5	25	8·1	25	7·6	25	6·3	24	5·8	23	7·2	23	7·6	5·8	19
20	22	8·1	22	6·7	22	8·1	22	8·1	22	7·6	22	8·1	22	8·1	22	7·6	22	7·6	22	8·1	22	7·2	22	5·4	6·7	20
21	16	6·7	16	6·7	16	7·2	15	5·4	15	6·7	15	8·5	15	8·1	15	9·4	16	8·1	16	8·1	16	9·4	16	8·9	6·7	21
22	19	11·6	21	11·2	22	9·4	23	8·1	23	5·8	24	6·7	23	6·7	23	5·4	23	5·4	25	4·5	25	1·8	25	2·7	8·2	22
23	27	8·1	27	8·1	27	8·1	28	7·6	28	8·9	28	8·9	28	6·7	28	8·1	28	8·5	27	8·9	27	9·8	27	9·8	5·8	23
24	32	9·8	32	13·0	32	13·4	32	15·7	32	13·4	32	11·2	32	11·6	32	13·0	32	12·5	31	13·0	31	13·0	31	13·0	12·6	24
25	30	13·4	31	11·2	31	12·5	31	12·1	31	11·2	31	11·6	31	10·3	31	9·4	31	9·8	31	9·4	31	9·8	30	8·9	11·4	25
26	25	3·6	25	2·2	25	2·2	—	0·9	20	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	0·5	—	0·5	26	3·1	3·8	26
27	25	4·9	25	4·5	25	4·5	25	3·6	25	4·0	24	5·4	24	6·7	23	6·3	23	6·7	23	6·7	23	5·8	23	5·4	5·0	27
28	22	6·3	22	8·1	22	7·2	22	7·6	22	7·6	22	6·3	21	4·9	19	4·9	18	4·5	18	4·9	19	6·7	19	7·6	6·5	28
29	22	7·2	22	6·7	22	8·1	22	8·1	22	7·6	22	8·5	22	8·1	22	8·9	22	9·8	22	9·8	22	9·8	22	8·9	7·7	29
30	27	4·5	26	4·9	25	4·5	25	4·0	25	3·1	26	3·1	26	4·0	26	3·6	26	3·6	26	4·0	25	1·8	23	2·7	4·1	30
Mean	—	6·1	—	6·3	—	6·2	—	6·0	—	5·7	—	5·7	—	5·2	—	4·8	—	4·4	—	4·4	—	4·3	—	4·5	4·9	
Normals 1881–1910.	—	5·9	—	6·0	—	6·0	—	5·8	—	5·7	—	5·4	—	4·9	—	4·4	—	4·1	—	3·8	—	3·8	—	3·8	4·6	Normals 1881–1910.

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE IV.—Rainfall in Millimetres. JUNE, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	1·78	1·27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·05
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·54	3·05	—	0·51	—	—	—	0·25	—	0·51	6·86
16	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	2·79	0·51	4·06
17	—	—	—	0·76	0·76	—	—	—	0·76	—	—	—	—	—	—	—	5·08	1·52	—	—	—	—	—	—	8·88
18	—	—	—	—	—	—	0·25	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	0·51	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	1·01
21	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·76	—	0·76	2·54	1·52	0·51	0·51	0·25	—	0·51	7·61
22	—	0·25	—	0·25	—	—	—	—	—	—	—	—	0·76	0·76	0·25	0·25	—	—	—	—	—	—	—	0·25	2·77
23	—	—	0·51	1·52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	—	1·27	0·51	0·51	5·08
24	0·51	0·51	0·51	0·76	0·51	0·25	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	—	4·05
25	—	—	—	—	0·25	—	—	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	0·75
26	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	0·25	—	—	0·75
27	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	0·51	—	—	0·25	—	—	—	—	—	—	—	—	—	2·03	2·28	2·03	1·27	0·76	0·51	0·25	—	—	—	9·89
30	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
Sum ...	1·02	1·27	1·27	3·29	2·27	0·25	0·25	2·54	2·28	0·25	—	0·50	1·51	0·76	5·58	5·58	7·87	5·84	2·28	2·28	1·01	2·53	3·30	2·29	56·02
Normals 1871–1910.	4·24	4·11	3·91	4·60	4·52	4·24	4·75	4·44	4·55	3·28	2·72	2·87	2·79	2·74	3·17	3·35	3·68	3·94	3·43	3·58	3·35	3·35	4·29	4·47	90·37

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—Duration of Bright Sunshine in Hours. JUNE, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	·4	·3	·1	·1	·2	—	—	—	1·1	∞, dull; improving a little in afternoon.
2	·1	·7	·4	·1	1·0	1·0	·9	1·0	·8	1·0	1·0	1·0	1·0	1·0	·5	—	—	11·5	Fine.
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ● showers 8h.-9h.
4	—	—	—	—	—	—	—	—	—	—	—	—	·5	·5	·7	·1	—	1·8	Overcast till 15h., then improving somewhat.
5	—	1·0	1·0	1·0	1·0	·9	·6	·2	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	13·6	Fair to fine and clear.
6	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	15·1	Fine.
7	—	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	14·0	Fine, but some ∞ throughout.
8	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	15·4	Fine.
9	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	15·7	Bright sunny day, with N.N.E. breeze.
10	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	·1	—	13·8	Fine.
11	—	·3	1·0	·6	·8	·8	·4	·6	·6	—	—	—	—	—	—	—	—	5·1	A.M. fair; P.M. very hazy.
12	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	15·3	Fine.
13	·2	1.0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	15·7	Bright and fine, with Nly. wind.
14	·2	1·0	1·0	1·0	·4	·3	·2	—	—	·4	·9	1·0	1·0	·9	—	—	—	8·3	∞, but fair generally.
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·1	·2	—	0·3	Dull, with ● P.M.
16	—	·3	—	—	—	—	—	·2	·2	·1	·1	·1	—	—	—	—	—	1·0	Dull, but brightening somewhat about mid-day.
17	—	—	·1	—	·2	·7	·9	·9	1·0	1·0	·7	·7	·6	—	·1	—	—	6·9	Showery and unsettled-looking.
18	—	—	—	—	—	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·9	—	9·8	Fair after 8h.
19	—	·2	·4	·3	·8	—	·1	—	—	—	—	—	—	—	·6	·8	·1	3·3	Dull day, clearing somewhat in evening.
20	—	·2	·5	—	—	—	—	—	—	—	—	·1	·1	·1	—	—	—	1·0	Sky very cloudy but atmosphere clear.
21	—	—	—	·1	·2	·8	—	—	—	—	—	—	—	—	—	—	—	1·1	Dull day, becoming showery also P.M.
22	—	—	—	—	—	—	—	—	—	—	—	—	·2	·2	—	·3	—	0·7	Misty and showery.
23	—	—	1·0	1·0	·6	·8	·9	·8	1·0	1·0	·9	·9	·7	·9	—	—	—	10·5	Fair generally till about 20h., then ● showers.
24	—	—	—	1	—	·7	·4	·9	·9	·7	1·0	1·0	1·0	·4	·5	·1	—	7·7	Very squally, frequent ●° showers.
25	—	—	—	—	—	·7	·1	·1	·6	·4	·2	—	—	—	—	—	—	2·1	Squally.
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≡°, dull.
27	—	—	—	—	—	·8	·2	—	·3	·3	·7	·1	—	—	—	—	—	2·4	Fair to dull and misty.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Heavy mist all day.
29	—	—	·2	·4	·5	·4	·5	·2	—	—	—	—	—	—	—	—	—	2·2	Fair to dull, with ≡° and ●.
30	—	—	—	—	—	·3	·9	·4	·4	·3	·3	·1	—	·1	·1	—	—	2·9	Dull at first, becoming brighter after 9h.
	1·0	9·1	12·4	11·6	12·5	15·5	14·0	13·3	14·5	14·6	15·1	14·1	14·2	13·2	10·8	9·5	2·9	198·3	Total.
	0·48	6·04	9·72	11·75	12·64	13·43	14·05	13·97	14·51	15·18	15·12	14·88	14·08	13·06	11·49	8·27	1·22	189·88	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. JUNE, 1911.

First figure (2) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	86·1	85·6	85·9	85·9	86·0	85·7	86·0	86·5	87·1	87·9	88·4	88·1	89·3	89·5	89·3	89·5	88·5	88·4	87·9	87·5	86·7	86·5	86·0	85·7	85·5	87·2
2	85·5	85·3	84·9	84·2	83·8	83·5	85·4	86·1	86·2	88·1	88·7	88·7	89·8	89·3	90·4	90·2	90·3	90·8	88·7	87·5	87·1	86·7	86·5	86·2	86·1	87·3
3	86·1	86·0	86·0	86·2	86·1	86·0	86·0	86·5	86·5	86·2	86·7	87·5	87·8	87·5	86·7	86·8	86·9	86·9	86·2	86·2	86·1	85·9	85·7	86·0	85·4	86·4
4	85·4	85·3	85·4	85·4	84·9	85·1	85·3	85·6	86·0	86·4	87·0	86·8	87·0	87·2	87·3	87·9	88·1	89·0	87·4	86·7	86·0	85·6	84·9	84·1	83·7	86·2
5	83·7	83·4	81·5	80·9	80·7	80·4	82·0	84·0	86·0	86·8	87·9	88·1	88·1	88·4	88·5	89·5	89·5	91·2	90·0	89·0	87·8	88·1	87·6	86·4	86·1	86·3
6	86·1	86·4	85·5	85·7	86·1	86·8	87·6	89·2	89·8	90·3	90·6	90·1	90·4	90·7	91·0	91·5	92·6	93·2	92·2	92·3	91·3	90·2	89·9	89·6	89·9	89·6
7	89·9	89·3	88·8	86·8	85·9	86·2	89·2	90·9	92·0	93·2	93·9	95·0	95·7	95·9	96·2	97·0	94·4	93·5	90·9	90·9	89·5	87·9	86·6	86·1	85·7	91·0
8	85·7	85·4	86·9	87·4	88·5	86·4	87·8	89·3	91·2	92·9	93·2	94·3	95·4	95·7	96·5	96·7	96·5	94·9	91·8	91·7	90·4	88·2	86·7	86·3	84·7	90·8
9	84·7	84·5	83·4	82·8	82·9	82·9	84·9	87·6	91·1	91·7	92·1	93·1	93·3	93·5	93·4	93·2	93·2	92·8	91·5	91·0	89·9	88·8	87·8	87·5	87·0	89·1
10	87·0	87·5	86·2	85·0	84·0	83·5	85·3	86·7	87·8	89·6	90·4	90·5	90·1	90·2	90·1	91·0	91·4	92·6	90·9	89·3	88·4	87·5	87·4	86·8	86·0	88·3
11	86·0	86·1	85·4	84·6	83·5	83·5	83·4	85·4	86·8	88·8	89·9	89·5	91·2	89·6	88·8	89·2	89·8	88·6	88·5	88·3	88·2	87·8	86·8	86·7	86·5	87·4
12	86·5	86·0	85·9	84·9	83·7	83·3	83·9	85·9	87·2	88·1	88·4	89·1	89·1	89·5	89·8	89·5	90·0	90·0	88·7	87·9	87·0	86·3	86·0	85·1	84·3	87·1
13	84·3	84·5	85·0	84·5	83·7	82·9	83·9	84·5	84·8	85·1	85·6	85·9	86·5	87·1	87·3	87·6	88·5	88·9	88·2	87·4	87·1	85·7	84·9	84·8	84·9	85·8
14	84·9	84·6	85·0	83·1	82·1	81·6	82·8	87·4	88·8	88·5	88·4	88·7	88·8	89·0	89·3	90·6	90·9	90·2	89·2	88·4	87·6	86·8	86·5	84·6	85·4	87·0
15	85·4	85·7	85·6	85·6	85·9	85·4	85·5	86·0	86·5	86·8	87·3	87·8	87·6	87·9	88·2	87·4	86·2	86·3	85·9	86·5	86·7	86·8	87·3	87·4	87·7	86·6
16	87·7	87·3	87·0	86·5	86·0	86·1	86·7	87·2	87·6	88·8	89·2	90·2	90·7	90·7	90·6	90·3	89·9	89·9	89·8	88·4	88·2	87·8	87·4	87·2	86·3	88·4
17	86·3	85·9	85·9	85·7	85·6	85·6	86·2	86·9	87·1	87·8	89·1	90·7	90·9	91·5	91·4	90·4	90·3	89·8	87·9	88·1	87·5	87·4	86·6	85·7	85·4	87·9
18	85·4	85·7	85·4	85·7	86·1	86·4	86·6	87·1	86·7	87·5	88·9	89·9	90·0	90·7	90·3	90·9	91·2	91·4	90·1	89·1	88·0	87·2	86·5	86·7	86·5	88·1
19	86·5	86·2	86·0	86·0	86·0	85·8	86·0	86·5	86·0	87·3	87·4	88·1	86·8	87·6	87·8	87·4	87·5	87·4	87·2	87·1	86·4	86·1	86·0	85·6	86·1	86·7
20	86·1	85·2	85·1	84·8	85·1	85·6	86·1	86·8	87·6	87·3	87·1	86·6	86·2	87·6	88·4	88·8	87·9	88·9	87·9	87·6	87·2	86·5	86·7	86·8	86·5	86·8
21	86·5	85·7	85·3	86·0	86·0	86·2	86·7	87·4	87·8	88·8	89·8	89·3	88·6	88·4	87·7	87·6	87·6	87·4	87·1	87·4	87·5	87·6	87·6	87·6	87·3	87·4
22	87·3	87·1	86·8	86·7	86·4	86·3	86·1	86·3	86·7	86·7	87·3	87·1	87·0	86·7	86·0	85·9	85·9	86·5	86·7	86·0	86·2	85·6	85·4	85·0	85·0	86·4
23	85·0	84·8	84·6	84·3	83·8	83·5	83·4	85·0	85·5	85·0	85·9	86·2	86·5	86·3	86·3	86·4	86·2	85·1	85·3	84·0	83·4	83·8	83·5	83·1	83·1	84·8
24	83·1	83·8	83·3	84·0	84·3	84·5	85·0	85·1	84·9	85·0	85·4	85·7	86·4	86·9	86·7	87·4	87·2	87·3	85·6	85·6	83·2	83·7	84·1	83·9	83·5	85·1
25	83·5	83·8	83·6	82·9	82·9	82·1	82·8	83·5	83·6	84·0	84·6	84·3	83·2	83·2	84·0	84·0	84·8	84·1	83·9	83·7	83·2	83·6	83·7	83·8	83·5	83·6
26	83·5	83·5	83·5	83·7	83·7	83·7	83·8	84·1	84·2	84·6	85·1	85·2	85·1	85·1	86·4	86·1	85·9	86·1	85·5	85·3	85·2	84·9	84·9	85·0	85·5	84·8
27	85·5	85·9	85·9	85·7	85·9	86·0	86·1	86·1	86·1	86·6	87·3	88·2	88·8	89·0	89·3	89·9	88·7	89·1	87·9	87·5	87·0	86·7	86·5	86·3	86·1	87·2
28	86·1	86·2	86·2	86·4	86·5	86·7	86·7	86·8	86·8	87·4	87·4	87·6	87·6	87·8	88·1	87·8	87·9	87·9	87·6	87·3	86·6	86·8	87·0	86·9	87·0	87·1
29	87·0	87·1	86·8	86·8	86·7	86·7	86·0	85·9	86·5	86·8	87·6	88·2	87·6	87·0	86·7	85·4	85·3	85·2	85·2	85·2	85·9	86·0	86·1	86·1	86·0	86·4
30	86·0	85·4	85·6	85·7	85·6	85·7	85·0	85·1	85·6	86·1	86·7	87·4	87·5	87·9	88·8	88·2	87·5	87·8	87·6	86·5	86·3	85·9	85·7	85·4	85·0	86·4
Mean ...	85·8	85·6	85·4	85·1	84·9	84·8	85·4	86·4	87·0	87·7	88·2	88·6	88·8	88·9	89·0	89·1	89·0	89·0	88·1	87·6	87·1	86·6	86·3	85·9	85·7	87·1
Normals 1871–1910	85·3	85·2	85·0	84·9	84·8	84·8	85·1	85·9	86·5	87·2	87·6	88·2	88·4	88·7	88·8	88·9	88·8	88·7	88·1	87·6	87·0	86·3	85·9	85·6	85·4	86·8

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JUNE, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	96	95	95	95	95	94	94	90	88	83	85	87	84	80	83	79	87	84	84	82	85	88	87	88	89	87·7
2	89	89	88	85	90	83	87	85	84	79	79	79	77	73	70	73	72	69	74	78	80	82	83	87	87	80·6
3	87	89	89	86	85	89	88	86	85	93	88	81	83	84	94	89	86	85	94	90	90	90	92	88	92	88·0
4	92	89	88	88	92	91	88	85	83	84	82	83	82	82	76	76	78	72	81	81	83	81	82	87	89	83·5
5	89	88	95	94	94	95	92	89	75	71	73	72	80	79	82	84	84	76	81	85	90	86	86	91	96	84·8
6	96	91	96	94	94	94	90	85	80	81	76	79	77	75	73	69	65	62	67	67	66	68	68	71	66	77·9
7	66	63	64	71	78	78	83	80	78	70	70	66	69	66	63	55	70	68	74	78	78	85	87	89	92	73·4
8	92	91	79	69	65	74	77	75	63	56	55	55	52	46	43	38	38	60	69	73	77	82	85	86	83	66·5
9	83	85	88	89	85	87	85	86	70	64	64	62	58	58	63	64	63	60	64	64	71	72	71	75	76	72·0
10	76	73	78	81	83	91	86	82	80	76	74	70	73	74	73	73	69	64	74	78	83	84	89	89	90	78·3
11	90	90	90	90	92	92	92	92	86	77	74	78	75	73	81	85	80	86	87	86	90	93	91	91	90	85·9
12	90	94	87	92	94	93	93	91	78	73	72	71	70	66	66	64	60	61	64	64	69	72	71	76	77	76·0
13	77	83	80	83	84	81	76	71	68	64	62	60	63	60	60	59	56	56	57	63	62	69	72	74	70	68·2
14	70	71	68	78	84	85	88	74	69	67	72	69	71	68	67	62	58	60	62	61	62	63	64	67	66	69·1
15	66	67	70	67	65	70	67	66	63	65	66	62	63	61	63	72	82	80	78	77	79	83	81	81	83	71·0
16	83	91	91	95	98	95	89	87	84	78	77	75	76	73	78	79	78	76	76	88	87	87	92	92	94	84·6
17	94	94	92	93	95	95	96	98	95	91	90	79	77	76	76	78	75	80	91	91	91	94	96	95	96	88·9
18	96	95	94	95	96	92	94	92	90	94	91	84	79	74	79	75	72	70	69	75	76	82	84	79	82	84·2
19	82	83	84	82	83	82	78	71	81	73	72	70	78	74	77	74	72	71	73	69	69	73	75	86	82	76·3
20	82	88	92	88	89	89	87	89	81	88	94	88	95	84	78	76	80	77	79	78	83	91	88	86	85	85·5
21	85	86	86	89	88	87	83	83	82	81	77	78	81	86	88	90	94	92	95	95	96	96	95	89	92	87·8
22	92	93	92	92	93	93	93	92	89	89	87	87	87	93	97	94	90	94	83	87	86	88	88	86	88	90·1
23	88	87	88	82	90	89	94	87	73	73	69	70	70	69	71	68	70	70	67	82	87	82	87	90	91	79·4
24	91	83	87	86	85	89	83	87	87	80	74	74	70	75	78	76	73	71	79	77	90	86	78	76	76	80·3
25	76	68	73	72	76	79	73	70	74	74	74	73	86	91	84	79	73	77	76	79	82	73	72	69	68	75·8
26	68	73	69	70	72	72	72	73	71	73	70	76	83	87	84	82	86	85	92	93	93	93	97	97	97	82·0
27	97	98	98	99	98	97	97	100	100	96	88	85	82	84	83	82	89	87	93	93	96	95	94	92	94	92·6
28	94	93	93	95	96	94	95	95	98	96	96	96	96	95	92	93	87	91	89	86	91	91	91	92	92	93·1
29	92	94	98	97	99	95	97	97	87	86	81	82	83	86	89	93	95	96	96	97	95	97	97	98	98	92·9
30	98	100	95	95	97	97	99	91	90	88	82	76	75	73	76	78	79	74	74	75	82	84	85	88	91	85·3
Mean ...	85·9	86·1	86·2	86·4	87·8	88·1	87·2	85·0	81·1	78·8	77·1	75·6	76·5	75·5	76·2	75·3	75·4	75·1	78·1	79·7	82·3	83·7	84·3	85·2	85·7	81·4
Normals 1886–1910	86·9	87·2	87·9	87·9	88·2	88·1	87·2	85·2	82·4	79·6	77·6	76·2	75·6	75·1	75·1	75·1	74·4	74·5	76·9	78·9	81·4	84·1	85·4	86·1	86·9	81·5

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** JUNE, 1911.

Heights above Mean Sea Level : Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground : Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{ 1+...+23+\frac{1}{2}(0+24) \right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE AND TEMPERATURE. JUNE, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0207	·0147	97·0	87·3	9	·0174	·0108	95·6	82·2	17	·0112	·0039	94·5	86·3	25	·0094	·0022	87·1	84·4
2	·0207	·0143	96·4	84·9	10	·0165	·0148	88·6	79·2	18	·0068	·0000	93·0	86·4	26	·0170	·0094	87·4	83·0
3	·0163	·0127	98·4	87·0	11	·0166	·0144	92·5	78·8	19	·0065	·0022	90·7	85·4	27	·0246	·0170	93·8	83·5
4	·0221	·0160	99·5	85·6	12	·0149	·0090	93·2	83·9	20	·0156	·0040	92·4	84·7	28	·0251	·0232	95·1	85·5
5	·0270	·0220	**300·0**	87·3	13	·0138	·0088	89·5	81·9	21	·0181	·0156	92·1	86·0	29	·0246	·0127	92·5	86·9
6	·0318	·0270	97·8	86·7	14	·0210	·0138	90·1	**78·7**	22	·0173	·0095	90·0	85·8	30	·0127	·0056	90·3	85·9
7	**·0325**	·0282	94·1	84·3	15	·0229	·0207	91·7	79·1	23	·0095	·0011	92·4	85·5					
8	·0282	·0174	98·0	83·8	16	·0226	·0112	95·0	83·4	24	·0025	**·9964**	90·9	85·0					
															Mean.	—	—	93·3	84·3

KEW. TABLE II. JUNE, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0147	·0149	·0153	·0158	·0162	·0167	·0173	·0175	·0178	·0180	·0183	·0185	·0186	·0187	·0188	·0188	·0188	·0189	·0191	·0196	·0202	·0205	·0206	·0206	·0207	·0182
2	·0207	·0205	·0202	·0205	·0205	·0205	·0205	·0203	·0201	·0197	·0192	·0190	·0185	·0181	·0174	·0167	·0161	·0158	·0157	·0156	·0155	·0153	·0147	·0145	·0143	·0180
3	·0143	·0140	·0134	·0131	·0130	·0130	·0130	·0131	·0133	·0134	·0134	·0133	·0131	·0131	·0128	·0127	·0129	·0130	·0131	·0133	·0140	·0148	·0155	·0157	·0163	·0136
4	·0163	·0162	·0161	·0161	·0166	·0171	·0179	·0184	·0190	·0191	·0189	·0189	·0190	·0190	·0190	·0190	·0189	·0189	·0193	·0197	·0206	·0210	·0215	·0218	·0221	·0188
5	·0221	·0224	·0226	·0228	·0229	·0232	·0239	·0246	·0250	·0250	·0251	·0251	·0250	·0247	·0245	·0244	·0243	·0241	·0244	·0248	·0253	·0259	·0264	·0266	·0270	·0245
6	·0270	·0273	·0273	·0273	·0277	·0281	·0285	·0289	·0290	·0290	·0290	·0289	·0288	·0287	·0285	·0282	·0283	·0284	·0289	·0292	·0301	·0307	·0313	·0316	·0318	·0289
7	·0318	·0320	·0316	·0320	·0317	·0318	·0322	·0323	·0321	·0319	·0315	·0310	·0301	·0296	·0291	·0288	·0284	·0282	·0283	·0284	·0285	·0287	·0287	·0286	·0282	·0302
8	·0282	·0276	·0274	·0272	·0272	·0272	·0270	·0265	·0262	·0257	·0252	·0247	·0242	·0234	·0226	·0219	·0211	·0203	·0199	·0198	·0196	·0192	·0187	·0181	·0174	·0235
9	·0174	·0166	·0156	·0145	·0139	·0140	·0131	·0128	·0124	·0119	·0115	·0115	·0110	·0108	·0118	·0123	·0127	·0127	·0127	·0131	·0136	·0142	·0152	·0155	·0155	·0133
10	·0155	·0153	·0154	·0152	·0153	·0156	·0159	·0160	·0160	·0161	·0162	·0159	·0157	·0156	·0154	·0153	·0152	·0150	·0150	·0152	·0156	·0160	·0163	·0164	·0164	·0156
11	·0164	·0164	·0164	·0161	·0163	·0164	·0165	·0165	·0166	·0165	·0160	·0158	·0155	·0152	·0149	·0147	·0147	·0145	·0146	·0147	·0148	·0152	·0154	·0151	·0149	·0156
12	·0149	·0145	·0144	·0138	·0139	·0136	·0136	·0135	·0135	·0131	·0130	·0125	·0119	·0116	·0110	·0106	·0103	·0099	·0096	·0092	·0093	·0093	·0092	·0090	·0090	·0118
13	·0090	·0088	·0089	·0090	·0094	·0097	·0102	·0104	·0105	·0105	·0108	·0108	·0106	·0105	·0105	·0103	·0105	·0109	·0113	·0118	·0125	·0131	·0133	·0135	·0138	·0108
14	·0138	·0138	·0139	·0139	·0144	·0146	·0145	·0147	·0150	·0155	·0158	·0163	·0164	·0163	·0168	·0168	·0169	·0171	·0178	·0182	·0192	·0200	·0204	·0207	·0210	·0165
15	·0210	·0208	·0209	·0210	·0212	·0215	·0219	·0222	·0222	·0220	·0223	·0223	·0221	·0216	·0214	·0211	·0210	·0209	·0209	·0213	·0220	·0224	·0225	·0228	·0226	·0217
16	·0226	·0220	·0218	·0214	·0209	·0207	·0203	·0201	·0201	·0197	·0192	·0184	·0179	·0172	·0168	·0162	·0159	·0158	·0151	·0142	·0137	·0130	·0123	·0120	·0112	·0176
17	·0112	·0109	·0097	·0086	·0080	·0080	·0076	·0076	·0074	·0070	·0065	·0067	·0061	·0059	·0053	·0051	·0046	·0043	·0043	·0044	·0044	·0048	·0046	·0043	·0039	·0064
18	·0039	·0033	·0028	·0019	·0016	·0013	·0006	·0000	·9997	·9997	·0004	·0009	·0011	·0015	·0021	·0022	·0029	·0033	·0042	·0048	·0057	·0062	·0066	·0067	·0064	·0027
19	·0064	·0064	·0061	·0058	·0050	·0049	·0045	·0040	·0041	·0040	·0036	·0037	·0035	·0032	·0027	·0023	·0023	·0024	·0027	·0029	·0032	·0036	·0037	·0037	·0040	·0039
20	·0040	·0046	·0050	·0051	·0061	·0066	·0074	·0084	·0094	·0099	·0106	·0110	·0115	·0119	·0125	·0128	·0133	·0135	·0139	·0142	·0149	·0154	·0155	·0155	·0156	·0108
21	·0156	·0159	·0161	·0164	·0164	·0166	·0170	·0171	·0173	·0174	·0175	·0177	·0176	·0178	·0179	·0178	·0176	·0178	·0179	·0179	·0178	·0179	·0178	·0176	·0173	·0173
22	·0173	·0167	·0159	·0158	·0153	·0149	·0148	·0142	·0142	·0139	·0136	·0135	·0132	·0131	·0128	·0124	·0119	·0115	·0112	·0110	·0109	·0106	·0101	·0097	·0095	·0131
23	·0095	·0091	·0089	·0084	·0083	·0083	·0083	·0084	·0082	·0079	·0075	·0074	·0069	·0064	·0060	·0058	·0049	·0045	·0044	·0041	·0036	·0034	·0028	·0021	·0011	·0063
24	·0011	·9999	·9988	·9982	·9974	·9968	·9965	·9965	·9971	·9977	·9984	·9989	·9992	·9994	·9998	·0002	·0004	·0009	·0011	·0012	·0018	·0021	·0024	·0024	·0025	·9995
25	·0025	·0023	·0022	·0022	·0023	·0023	·0024	·0029	·0033	·0036	·0042	·0047	·0053	·0055	·0058	·0059	·0064	·0063	·0067	·0072	·0080	·0085	·0091	·0092	·0094	·0051
26	·0094	·0098	·0100	·0101	·0104	·0108	·0109	·0114	·0115	·0122	·0125	·0127	·0132	·0134	·0135	·0133	·0140	·0140	·0147	·0153	·0159	·0165	·0167	·0167	·0170	·0130
27	·0170	·0171	·0173	·0173	·0184	·0186	·0194	·0199	·0209	·0215	·0221	·0223	·0225	·0223	·0223	·0223	·0222	·0222	·0223	·0223	·0231	·0236	·0243	·0244	·0246	·0212
28	·0246	·0247	·0248	·0246	·0248	·0244	·0249	·0249	·0249	·0250	·0248	·0245	·0243	·0237	·0239	·0237	·0233	·0233	·0236	·0241	·0244	·0247	·0249	·0248	·0246	·0244
29	·0246	·0242	·0237	·0233	·0231	·0229	·0227	·0228	·0229	·0224	·0221	·0218	·0213	·0206	·0201	·0193	·0184	·0178	·0172	·0164	·0159	·0153	·0150	·0140	·0127	·0201
30	·0127	·0120	·0114	·0110	·0106	·0104	·0101	·0100	·0097	·0092	·0091	·0086	·0082	·0079	·0076	·0075	·0071	·0070	·0070	·0069	·0068	·0067	·0064	·0057	·0057	·0086
Mean...	1·0 1552	1·0 1533	1·0 1513	1·0 1495	1·0 1496	1·0 1502	1·0 1511	1·0 1520	1·0 1531	1·0 1528	1·0 1528	1·0 1524	1·0 1508	1·0 1489	1·0 1479	1·0 1461	1·0 1451	1·0 1444	1·0 1456	1·0 1469	1·0 1503	1·0 1529	1·0 1540	1·0 1531	1·0 1522	1·0 1503
Normals 1871–1910.	1·0 1528	1·0 1515	1·0 1501	1·0 1487	1·0 1491	1·0 1501	1·0 1515	1·0 1528	1·0 1535	1·0 1532	1·0 1528	1·0 1521	1·0 1504	1·0 1487	1·0 1470	1·0 1457	1·0 1443	1·0 1436	1·0 1443	1·0 1460	1·0 1487	1·0 1521	1·0 1535	1·0 1535	1·0 1532	1·0 1498

(21709—24.) Wt. 41466—310. 375. 11/11. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E., 16 = S., 24 = W., 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	6	4·5	6	2·7	6	2·7	6	2·7	6	2·2	6	3·1	4	3·1	7	5·8	8	6·7	7	7·2	6	8·1	6	10·3
2	6	1·8	6	1·8	6	1·8	6	1·8	—	1·3	6	1·8	6	3·1	5	3·1	3	3·1	4	4·5	4	6·7	7	6·7
3	7	2·7	7	1·8	7	2·2	—	0·9	—	0·5	—	0·9	—	1·3	—	0·5	—	0·9	—	0·9	15	1·8	16	4·5
4	17	1·8	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9
5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·0	—	0·5	—	0·9	1	2·2	32	1·8	32	1·8
6	—	0·9	—	0·9	—	0·9	—	0·5	30	1·8	1	3·1	3	3·1	2	3·1	2	3·1	2	4·5	32	4·5	32	4·9
7	4	7·2	3	5·8	5	6·3	5	4·9	4	5·4	6	5·4	3	5·4	4	5·8	4	5·4	3	5·4	5	5·4	4	5·8
8	5	3·6	5	2·2	5	2·2	—	0·9	—	0·5	—	1·3	5	4·0	—	1·3	7	5·4	—	1·3	6	7·2	7	6·7
9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	29	2·2	1	4·9	2	4·5	3	4·9
10	3	3·1	3	2·7	3	1·8	3	2·2	3	2·7	3	3·1	1	3·6	2	4·0	1	4·5	2	4·5	2	3·6	32	3·6
11	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	20	1·8	21	2·2	—	0·9	—	1·3
12	—	1·3	19	1·8	19	1·8	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	19	1·8	20	2·7	20	3·1	21	3·1
13	32	3·1	1	3·6	2	4·5	1	4·5	3	3·6	2	4·5	2	5·4	2	5·8	2	4·5	32	4·9	32	4·5	32	5·4
14	32	1·8	32	1·8	—	1·3	—	1·3	29	1·8	29	2·7	27	4·0	28	4·9	30	4·5	30	4·9	30	4·9	31	4·9
15	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	3	3·1	3	3·1	1	2·7	2	3·1	30	2·2	32	1·8
16	9	3·1	9	3·6	9	3·6	9	4·0	9	4·5	9	4·5	9	4·5	9	4·5	9	3·1	11	3·6	10	3·6	10	4·0
17	—	0·9	—	0·9	—	1·3	14	1·8	—	0·5	—	0·9	—	1·3	21	2·2	16	2·7	20	4·5	19	4·0	19	4·5
18	16	3·1	16	3·1	17	3·6	16	4·9	16	5·4	16	6·3	17	8·1	17	9·4	18	9·8	19	11·6	20	9·4	19	10·3
19	19	2·7	17	2·2	17	3·1	17	1·8	17	3·1	16	3·1	18	4·5	16	6·3	16	4·9	17	5·4	18	6·3	17	5·4
20	23	3·1	22	2·7	22	2·7	22	1·8	21	2·2	22	2·7	23	4·5	23	3·6	23	4·5	27	4·9	24	4·5	24	4·9
21	21	2·7	21	1·8	21	4·0	19	2·7	19	3·1	20	3·6	19	3·1	19	4·9	21	4·5	21	5·4	20	6·7	21	4·9
22	18	4·0	18	5·4	18	5·4	17	6·3	18	6·3	18	6·3	17	6·7	18	6·3	18	7·6	18	8·1	18	8·1	18	8·1
23	18	4·5	18	3·1	18	4·5	18	3·1	18	4·0	19	3·6	16	3·1	18	4·0	20	4·0	19	3·1	19	3·6	16	4·9
24	—	0·9	18	1·8	—	0·9	—	1·3	—	0·9	24	2·2	24	3·1	24	3·6	23	4·5	22	5·4	21	5·8	22	6·7
25	19	6·3	19	5·4	18	5·4	17	5·4	19	5·4	19	5·8	19	5·4	19	4·5	19	4·0	19	4·5	23	2·2	24	2·7
26	22	4·0	24	3·6	23	3·1	23	3·1	23	4·0	23	3·6	24	4·0	25	4·9	25	4·9	23	4·0	27	4·0	28	3·6
27	23	1·8	23	2·2	23	2·2	25	1·8	26	2·2	26	3·1	27	4·0	25	4·5	29	3·1	30	2·2	29	1·8	27	3·1
28	23	1·8	23	2·2	22	2·7	22	2·2	22	1·8	22	2·7	22	4·0	22	4·5	23	4·9	22	5·4	22	5·4	23	5·8
29	23	3·6	22	3·1	22	3·1	22	2·7	20	3·1	21	4·5	21	5·4	22	5·4	21	5·4	21	5·4	21	4·5	20	6·3
30	19	5·4	21	4·5	22	3·1	21	3·6	21	3·1	21	4·5	21	4·0	20	5·4	19	5·4	19	5·8	19	5·4	19	5·4
Mean ...	—	2·8	—	2·5	—	2·6	—	2·4	—	2·5	—	2·9	—	3·5	—	3·9	—	4·1	—	4·4	—	4·5	—	4·9
Normals, 1881–1910.	—	2·1	—	2·0	—	2·0	—	1·9	—	2·1	—	2·5	—	3·0	—	3·3	—	3·6	—	3·8	—	4·2	—	4·2

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second, the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. JUNE, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	4·32	4·57
17	2·79	0·25	—	0·76	5·08	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·13
18	—	—	—	—	0·25	—	0·25	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	1·01
19	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	0·25	0·25	1·27	0·25	0·76	0·51	0·51	0·51	0·25	5·07
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	2·28	2·03	1·78	1·52	1·27	9·64
24	1·52	1·78	1·02	0·76	0·51	—	—	0·25	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·60
25	—	—	—	—	—	—	—	0·25	0·25	1·78	1·02	1·78	0·25	0·25	0·25	0·25	0·25	—	—	—	—	—	—	—	6·35
26	—	—	—	—	—	—	—	—	0·76	—	—	0·25	0·51	—	—	1·02	—	—	—	—	—	0·25	—	—	2·79
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02	1·78	2·80
30	1·78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	2·03
Sum ...	6·09	2·03	1·02	1·52	5·84	0·25	0·25	0·50	1·77	1·78	1·53	2·03	0·76	0·25	0·25	2·03	0·50	1·27	1·26	3·29	2·54	2·54	3·30	7·62	50·22
Normals 1871–1910.	1·96	2·01	1·78	2·16	2·51	2·31	2·46	1·98	1·83	2·21	2·29	2·64	2·29	2·49	2·69	2·67	3·23	2·59	2·95	2·59	2·84	2·87	2·01	1·93	57·29

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

15 days?

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. JUNE, 1911.

	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	7	10·3	5	9·4	7	9·4	6	7·2	7	7·2	8	5·4	7	5·4	7	5·4	7	4·9	6	3·6	6	3·6	6	3·1	5·6	1
2	6	6·7	7	6·7	6	6·7	7	6·7	6	6·7	8	5·4	7	5·4	7	3·1	6	3·6	7	1·8	7	2·7	7	4·5	4·1	2
3	16	2·7	18	2·2	14	2·7	16	4·0	17	4·5	19	2·2	18	1·8	—	1·3	—	1·3	17	1·8	17	1·8	—	1·3	1·9	3
4	—	0·9	—	1·3	4	1·8	—	0·9	31	1·8	—	1·3	22	1·8	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	1·0	4
5	31	4·0	31	3·1	1	3·6	2	3·1	31	3·1	2	3·1	2	1·8	2	3·1	5	2·2	6	1·8	—	0·5	—	0·9	1·7	5
6	32	4·9	1	5·4	32	6·3	32	5·4	1	6·7	6	5·4	8	5·4	4	7·6	5	6·7	5	6·7	4	5·8	3	5·8	4·3	6
7	2	5·8	4	6·3	4	6·3	8	5·8	7	6·7	8	6·7	8	5·4	8	4·9	8	4·5	7	4·0	7	3·1	5	3·1	5·5	7
8	5	6·7	7	6·3	6	5·4	6	5·4	9	4·5	6	4·9	6	4·5	6	2·2	6	1·8	6	1·8	—	0·9	—	0·5	3·4	8
9	4	6·7	3	8·1	2	8·1	3	7·6	3	7·2	3	5·4	2	6·3	2	7·2	2	5·4	1	6·7	2	3·6	4	3·1	4·1	9
10	2	4·5	32	4·0	1	3·1	32	2·7	1	3·1	1	3·6	2	1·8	2	1·8	2	1·8	—	0·9	—	0·9	—	0·9	2·9	10
11	20	2·7	17	1·8	21	1·8	21	4·0	21	4·9	20	4·0	19	3·1	19	3·1	19	3·6	19	2·2	—	0·9	19	1·8	2·0	11
12	23	2·7	21	3·1	21	3·1	22	3·1	—	0·9	—	1·3	29	3·6	19	3·6	19	2·2	20	1·8	—	1·3	—	1·3	2·1	12
13	32	5·8	32	4·9	32	6·3	1	6·7	32	4·9	32	5·4	32	6·3	32	4·5	1	2·7	—	0·9	—	1·3	32	1·8	4·4	13
14	28	4·9	30	4·5	31	4·9	32	4·9	32	3·1	2	3·1	2	4·5	4	4·5	4	3·1	4	2·7	4	2·2	—	0·9	3·4	14
15	8	2·2	3	2·2	6	2·7	6	2·7	9	1·8	11	2·7	16	4·5	16	3·1	16	2·2	—	1·3	9	1·8	9	4·0	2·2	15
16	16	5·4	14	5·4	12	4·9	14	5·8	13	4·5	12	4·5	10	5·4	9	4·5	8	4·5	8	3·1	10	3·1	13	2·2	4·2	16
17	19	5·8	19	5·8	18	6·7	19	6·7	18	6·7	18	6·7	18	5·4	18	4·5	19	3·6	17	3·1	17	2·7	16	3·1	3·6	17
18	19	9·8	20	8·1	21	6·7	23	4·9	20	4·5	19	7·2	18	5·4	18	4·5	19	5·4	18	4·5	19	4·0	—	1·3	6·3	18
19	17	6·7	16	6·7	18	6·3	19	6·7	20	4·0	19	4·0	19	4·0	19	4·5	19	4·5	21	3·1	21	2·7	23	3·1	4·4	19
20	24	6·3	23	6·3	23	5·4	25	4·9	24	5·4	23	4·9	23	3·1	23	2·7	23	2·2	23	2·2	21	3·1	21	3·1	3·8	20
21	20	4·9	21	4·5	20	3·1	20	5·4	20	5·4	19	5·4	20	3·6	21	3·1	19	3·1	19	4·5	18	4·5	18	4·5	4·1	21
22	18	8·1	18	8·9	17	7·2	17	8·1	17	6·7	17	7·2	18	6·7	18	5·8	18	5·4	18	5·4	19	6·3	17	4·5	6·6	22
23	19	4·5	17	4·0	16	3·6	16	4·5	16	3·1	17	2·7	18	2·7	—	0·9	—	0·9	—	0·9	—	0·5	—	0·0	3·1	23
24	23	6·7	20	8·1	19	9·8	19	11·2	19	8·1	18	8·5	18	8·1	18	6·7	18	5·7	18	6·7	19	7·2	18	5·8	5·4	24
25	20	4·0	20	4·0	21	4·5	21	4·5	20	4·5	21	3·6	22	4·0	22	3·1	23	3·1	22	2·7	22	3·1	22	3·6	4·2	25
26	27	3·6	24	2·7	27	4·0	26	2·7	26	4·0	26	5·4	26	3·6	25	3·1	22	2·7	23	2·2	23	2·7	23	2·2	3·6	26
27	26	1·8	22	3·1	25	2·7	25	3·1	24	3·1	24	3·1	25	1·8	24	2·2	24	1·8	24	2·2	23	1·8	23	1·8	2·5	27
28	22	5·4	22	5·4	22	4·5	22	4·5	23	6·3	22	5·8	22	4·5	22	3·6	22	4·0	22	3·1	20	3·1	21	3·6	4·1	28
29	20	6·7	20	6·7	20	6·7	18	7·2	19	6·7	18	6·7	18	6·7	19	6·7	18	6·3	19	6·7	19	5·4	19	6·3	5·5	29
30	21	4·5	22	4·9	21	5·4	21	4·5	21	4·5	21	4·9	19	3·6	18	3·1	20	2·2	20	2·2	20	2·7	20	1·8	4·2	30
	—	5·2	—	5·1	—	5·1	—	5·2	—	4·8	—	4·7	—	4·3	—	3·9	—	3·4	—	3·0	—	2·8	—	2·7	3·8	Normals 1881–1910.
	—	4·2	—	4·3	—	4·3	—	4·3	—	4·2	—	3·9	—	3·4	—	2·9	—	2·7	—	2·5	—	2·3	—	2·2	3·2	

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JUNE, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	—	12·8	Fine throughout ; Ely. wind.
2	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	14·2	≋ early ; fine.
3	—	—	·6	·6	·3	·9	1·0	·9	1·0	1·0	·9	·9	·8	1·0	·4	—	—	10·3	≋ and cloudy early, then fine generally.
4	—	—	—	—	·1	1·0	1·0	1·0	1·0	·5	·5	·4	·2	1·0	1·0	·5	—	8·2	Fog early ; clearing after 8h.
5	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·4	—	13·2	Very fine and warm.
6	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	·1	—	—	11·9	Fine, but hazy.
7	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	12·3	Bright during day ; ≋ at night.
8	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	14·3	Cloudless all day.
9	—	—	·8	1·0	·9	·9	1·0	1·0	·9	·4	—	—	—	—	—	—	—	6·9	A.M. fine ; P.M. dull.
10	·2	1·0	1·0	1·0	·8	·6	·2	·1	·5	·6	·7	·3	·4	·6	·8	·7	—	9·5	Bright to cloudy.
11	—	·2	1·0	1·0	1·0	1·0	1·0	·7	·6	1·0	·3	—	·1	1·0	·9	·2	—	10·0	≋ at first ; then fine, to dull at night.
12	—	—	—	—	—	·9	·4	·4	·4	·2	·3	·2	·1	—	—	—	—	2·9	Cloudy to overcast.
13	—	—	—	·1	·9	·9	·9	·9	·8	·9	·9	·6	·8	·8	—	·1	—	8·6	Fine generally ; clear atmosphere in afternoon.
14	·1	·1	·5	·6	·9	·1	·1	·4	·5	·7	·9	1·0	·8	·9	·1	—	—	7·7	Fair.
15	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·4	—	—	12·6	Bright day ; becoming cloudy in evening.
16	—	—	—	—	—	—	·5	·6	·2	—	—	—	—	—	—	—	—	1·3	Dull ; ● about 24h.
17	—	—	—	·1	·3	·8	·6	·6	·3	·2	·6	·8	·9	·2	·6	—	—	6·0	● till about 6h., then fair for rest of day.
18	—	·1	·1	·2	—	·1	·5	·6	·7	·6	·8	·6	·2	·7	·8	·4	—	6·4	● showers and fine intervals ; ⊤ and ≺
19	—	—	·3	·6	—	—	—	—	—	·1	·1	—	—	—	—	—	—	1·1	Dull ; ●.
20	—	—	—	·1	·6	·2	·5	·4	·9	·7	·9	·7	·9	1·0	·9	·4	—	8·2	Fair to fine.
21	—	—	—	—	·2	—	·3	·2	·3	—	·4	·1	·1	·1	—	—	—	1·7	Cloudy, with occasional sunshine.
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
23	—	—	—	—	·3	—	·2	·3	·1	—	—	—	·1	—	—	—	—	1·0	Dull, with ● from 19h.
24	—	—	—	—	—	—	—	·4	·9	·6	·8	·9	1·0	·9	·6	·6	·1	6·8	Dull, with ● or ≋ till 11h., then clearing.
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day, and ● 8h.–16h.
26	—	—	—	·2	·4	·1	·6	·2	—	—	·2	·3	—	·2	—	—	—	2·2	Unsettled-looking all day.
27	—	—	—	—	—	—	—	—	·8	·9	1·0	1·0	1·0	1·0	·9	·2	—	6·8	A.M. dull ; P.M. fine.
28	—	·4	·7	·9	·8	·6	·6	·8	·9	·9	·3	·6	·9	·6	·9	·9	—	10·8	Fine.
29	—	—	·8	·5	·7	·4	·2	·2	·1	·3	·1	—	·1	·1	—	—	—	3·5	Fair during day ; ● after 22h. 30m.
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast all day.
	0·3	3·7	11·4	15·2	15·2	15·5	16·6	16·7	17·9	16·6	16·7	15·3	15·3	16·3	13·3	7·1	0·1	211·2	Total.
	0·14	4·75	10·10	11·93	13·04	14·17	14·65	14·81	15·45	15·26	15·29	15·00	14·23	13·27	12·25	8·21	0·95	193·49	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. JUNE, 1911.

First figure (2 or 3) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	88°·7	88°·2	87°·7	87°·4	87°·4	88°·1	89°·1	90°·9	92°·3	93°·5	94°·3	95°·0	95°·3	96°·2	96°·1	96°·5	96°·4	95°·2	95°·2	94°·1	92°·4	91°·4	90°·8	89°·9	89°·2	92°·2
2	89·2	87·5	86·5	85·7	84·9	85·2	86·2	88·1	89·4	91·5	93·2	94·7	95·0	95·2	95·7	96·3	95·7	94·5	93·6	92·6	91·9	90·9	89·7	89·1	88·7	90·9
3	88·7	88·6	88·2	88·1	87·4	87·7	87·6	88·8	90·3	91·8	92·4	94·7	96·3	96·8	96·9	98·4	96·6	96·4	94·8	94·1	92·6	90·7	90·4	89·9	88·7	92·0
4	88·7	88·1	86·9	86·3	85·9	85·8	86·7	87·4	88·0	90·3	92·9	95·3	97·2	97·5	97·8	98·1	98·1	99·2	99·2	97·9	95·9	93·8	92·4	91·4	90·3	92·6
5	90·3	89·6	88·6	88·0	87·5	87·9	89·2	91·1	92·6	94·6	96·1	97·1	98·0	98·9	99·3	99·4	99·9	99·8	99·1	98·2	97·1	95·3	93·6	92·4	90·8	94·3
6	90·8	90·4	88·9	89·5	88·7	89·2	89·5	90·9	92·6	94·3	95·6	96·1	96·3	97·1	97·3	97·4	97·2	96·4	95·6	93·6	91·9	89·9	88·6	87·6	86·7	92·6
7	86·7	85·8	85·2	84·8	84·7	84·5	84·6	84·9	86·0	86·8	87·6	89·2	90·2	91·4	92·2	93·3	93·8	93·1	91·9	90·4	88·5	87·0	86·5	85·9	85·9	88·1
8	85·9	85·4	84·8	84·5	84·1	84·5	85·6	88·2	90·0	91·9	93·2	94·1	94·8	96·2	96·4	96·8	96·3	97·3	95·3	94·3	92·3	90·2	89·5	87·6	87·4	90·8
9	87·4	87·0	86·1	85·4	85·4	85·4	86·8	88·1	90·3	92·1	93·6	94·2	95·0	95·3	91·4	89·1	88·1	87·6	88·0	87·6	86·7	86·0	84·3	83·0	82·2	88·4
10	82·2	81·4	80·4	79·5	79·3	81·2	81·7	83·5	84·8	84·7	85·1	85·9	86·3	87·1	87·4	87·9	88·4	87·9	88·6	88·4	86·4	85·6	83·1	82·4	82·1	84·5
11	82·1	81·1	80·6	80·2	79·0	79·8	81·7	83·2	85·2	87·4	88·6	90·4	90·3	91·5	91·5	90·9	90·3	91·3	91·3	89·9	88·0	86·8	86·2	85·6	85·1	86·4
12	85·1	84·6	84·3	84·2	84·1	84·2	84·7	85·2	86·4	88·4	89·7	90·4	91·9	91·3	92·1	92·0	92·2	91·4	91·3	90·7	89·5	88·6	88·0	87·8	87·1	88·3
13	87·1	86·4	85·4	84·9	84·0	84·1	83·8	84·1	85·3	86·0	86·4	87·4	88·2	89·2	88·4	88·5	88·0	88·0	86·3	85·2	83·9	83·4	83·1	82·7	81·9	85·7
14	81·9	80·9	80·3	79·3	78·8	78·8	80·6	82·5	83·9	84·6	85·2	86·3	87·1	88·5	88·0	89·6	89·5	89·8	88·0	87·1	85·8	84·5	84·2	84·0	83·9	84·6
15	83·9	82·3	80·7	79·9	79·1	80·3	82·1	83·2	84·2	85·4	86·4	87·4	88·3	90·2	89·9	90·3	90·8	91·7	91·0	88·4	86·4	85·9	84·5	84·1	83·7	85·7
16	83·7	83·7	83·5	83·5	83·4	84·0	84·4	85·4	86·4	88·8	90·6	92·3	93·2	94·1	93·7	93·7	92·8	91·5	91·4	91·1	90·4	89·9	89·3	88·0	86·6	88·8
17	86·6	86·4	86·7	87·1	86·9	87·0	87·1	88·6	89·1	91·0	90·8	91·7	92·0	93·0	92·9	93·2	93·7	93·1	92·8	91·3	90·3	89·6	87·8	87·5	87·4	89·9
18	87·4	87·1	87·1	87·2	87·3	87·7	88·3	88·6	88·8	88·1	89·8	90·4	91·2	92·3	91·9	92·3	91·2	91·3	92·4	91·9	89·8	88·6	87·6	87·4	86·4	89·4
19	86·4	86·3	85·6	86·3	86·3	87·2	87·6	89·2	89·7	89·9	90·1	88·5	89·2	90·0	89·7	90·3	89·1	88·5	87·3	86·8	86·5	86·4	86·2	86·3	86·2	87·9
20	86·2	86·0	85·8	85·1	84·7	85·2	85·6	87·0	87·9	88·7	89·3	89·6	90·9	90·2	90·8	91·6	91·4	91·7	91·6	90·6	89·1	88·0	87·4	87·4	87·2	88·4
21	87·2	87·1	86·9	87·3	87·1	87·2	87·6	88·3	88·7	89·6	90·4	91·4	91·3	91·3	92·0	92·0	92·1	91·3	90·6	89·8	89·3	88·4	87·1	86·4	86·0	89·2
22	86·0	85·8	86·2	86·5	87·0	87·2	87·5	88·4	88·1	89·0	89·3	89·3	89·8	89·8	89·5	89·1	89·2	89·1	88·9	88·6	88·4	88·1	87·9	88·1	87·4	88·2
23	87·4	87·6	87·4	87·5	87·4	87·6	87·9	88·4	89·2	89·8	90·4	91·9	91·6	91·4	91·5	90·2	90·9	90·6	89·9	89·1	87·6	87·1	85·9	85·7	85·6	88·9
24	85·6	85·7	85·3	85·2	85·1	85·1	85·3	85·8	85·9	85·6	86·2	88·1	88·9	90·1	90·2	90·9	90·6	90·3	89·4	88·8	87·4	86·3	85·7	85·9	85·3	87·2
25	85·3	85·2	84·6	84·4	84·8	85·4	85·6	86·0	85·9	86·3	86·4	85·8	85·1	86·8	86·5	86·7	86·0	86·1	85·6	85·4	85·2	85·2	84·9	84·8	84·7	85·6
26	84·7	84·8	84·5	84·5	84·4	84·3	84·7	85·1	86·0	84·4	84·8	85·9	86·1	84·3	85·5	86·9	85·3	86·0	85·2	84·3	83·5	83·2	83·0	83·3	83·5	84·8
27	83·5	83·6	83·6	83·7	83·7	83·9	84·1	84·7	85·4	85·2	85·8	86·9	87·8	88·6	90·6	91·4	92·3	93·0	93·1	92·4	91·0	90·2	88·8	87·5	86·5	87·6
28	86·5	86·6	85·8	85·9	86·6	86·8	87·6	89·0	89·3	90·8	91·2	91·7	92·6	93·4	93·4	93·9	94·7	93·9	94·1	92·0	90·3	89·3	88·8	88·4	88·4	90·1
29	88·4	88·0	88·1	88·2	88·0	87·9	88·4	89·0	89·2	89·8	90·3	91·1	91·4	92·4	91·7	92·0	92·5	91·6	90·4	89·7	88·6	88·0	87·9	87·4	86·9	89·6
30	86·9	86·8	86·3	86·0	85·9	86·3	86·3	86·9	87·1	87·8	88·0	88·1	89·2	88·9	89·5	90·1	89·7	89·9	89·0	88·7	88·1	87·8	87·6	87·5	87·3	87·9
Mean ...	86·4	85·9	85·4	85·2	85·0	85·3	85·9	87·0	87·9	88·9	89·8	90·7	91·4	92·0	92·0	92·3	92·1	91·9	91·4	90·4	89·2	88·2	87·4	86·8	86·3	88·7
Normals 1871–1910.	85·4	85·0	84·6	84·3	84·0	84·5	85·1	86·2	87·1	88·2	89·0	89·9	90·4	91·1	91·3	91·6	91·5	91·3	90·7	90·0	88·7	87·5	86·7	86·1	85·5	87·9

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JUNE, 1911.

1	80	79	81	83	84	82	80	69	62	59	58	54	51	52	50	47	50	51	53	57	64	55	53	55	58	62·4
2	58	67	70	74	76	74	75	68	65	61	51	45	42	42	42	44	47	48	53	54	60	68	77	80	83	60·5
3	83	86	88	83	86	86	85	81	78	75	72	69	64	63	59	57	62	64	65	74	79	89	89	88	92	76·3
4	92	92	93	94	96	93	95	94	93	86	76	61	52	49	51	50	44	41	41	57	67	75	81	84	91	73·2
5	91	93	93	92	94	90	89	80	76	66	61	58	55	48	46	46	43	43	45	51	52	58	66	75	83	66·9
6	83	76	86	84	88	81	76	64	58	56	52	55	55	52	52	57	58	57	58	58	61	71	74	77	78	66·1
7	78	77	79	80	79	76	74	71	68	65	61	61	59	56	54	50	55	57	62	63	68	75	75	80	70	67·5
8	70	76	81	84	87	88	83	68	60	60	59	55	55	54	51	52	55	50	54	59	67	77	80	87	90	67·6
9	90	92	91	92	91	90	88	85	76	72	67	65	57	54	68	66	70	72	68	63	63	64	67	68	71	73·8
10	71	71	75	79	80	73	73	67	59	59	56	58	54	50	49	49	49	50	48	47	53	52	73	79	84	61·7
11	84	89	90	91	92	93	85	79	72	57	51	50	47	49	48	47	54	49	51	57	63	65	66	69	69	66·3
12	69	71	72	72	72	71	69	69	68	66	59	58	48	53	50	47	45	58	59	60	61	66	63	64	72	62·2
13	72	69	80	81	81	79	79	76	64	60	56	51	47	44	45	47	49	53	54	58	68	66	72	72	73	63·5
14	73	77	77	82	82	79	74	68	65	65	59	58	56	51	56	47	48	49	47	56	63	65	67	70	74	63·5
15	74	81	87	89	93	85	79	71	65	56	53	48	48	47	45	43	43	44	44	60	66	69	74	69	67	64·1
16	67	70	73	75	78	76	73	72	68	64	61	55	51	46	45	46	46	50	49	47	52	55	62	73	88	61·0
17	88	93	95	95	93	95	97	92	90	77	73	70	68	66	64	65	61	64	63	72	75	79	87	87	89	79·6
18	89	91	90	88	91	89	86	79	77	83	73	71	68	65	68	60	67	75	63	65	73	78	84	83	88	77·3
19	88	87	91	91	91	89	85	79	74	76	76	84	78	72	73	70	74	80	85	86	89	91	92	94	93	83·2
20	93	93	92	92	93	92	92	86	82	76	71	62	61	59	53	49	49	52	52	57	58	66	77	82	85	72·3
21	85	85	88	84	87	85	83	80	71	66	62	59	57	59	61	60	61	61	68	71	65	71	79	82	84	72·0
22	84	86	85	84	80	79	77	77	80	78	77	77	76	76	79	82	81	82	85	89	90	92	92	89	89	82·5
23	89	86	88	88	88	86	85	85	82	75	67	66	71	71	71	77	74	74	75	83	91	90	88	94	96	81·2
24	96	94	92	91	91	92	92	91	86	88	82	72	60	55	55	60	60	64	66	69	72	77	80	80	81	77·4
25	81	81	83	81	80	79	81	84	86	83	82	89	89	87	82	81	82	85	87	87	86	85	88	89	89	84·2
26	89	86	85	84	84	83	77	70	64	73	73	60	58	74	69	61	74	67	66	73	83	86	90	89	85	75·7
27	85	84	82	81	81	77	73	68	63	64	65	63	61	60	59	51	50	50	50	55	61	66	74	80	86	66·8
28	86	86	88	90	88	89	85	78	76	71	62	62	58	57	59	60	56	55	61	68	75	78	81	84	83	73·0
29	83	82	82	80	81	81	74	72	72	67	67	65	63	64	65	67	67	70	71	74	77	80	80	88	89	74·0
30	89	91	92	90	89	87	87	83	81	79	81	82	74	80	74	73	76	75	80	88	91	90	91	91	94	84·0
Mean ...	82·0	83·0	85·0	85·1	85·9	84·0	81·7	76·9	72·7	69·4	65·4	62·8	59·4	58·5	58·1	57·0	58·3	59·7	60·8	65·3	69·8	73·3	77·4	80·1	82·5	71·3
*Normals 1886–1910.	83·1	84·3	85·8	87·1	87·6	85·7	83·7	79·7	75·7	71·3	67·9	64·8	62·3	60·4	59·3	58·6	58·8	59·8	61·9	65·5	70·6	74·9	78·3	80·7	83·1	72·8

* Normals for 24 years only—1891 omitted.

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** JUNE, 1911.

Heights above Mean Sea Level: Station, $H = 243{\cdot}2$m. Barometer, $H_b = 237{\cdot}1$m. Heights above Ground: Thermometers, $h_t = 0{\cdot}8$m. Rain-gauge, $h_r = 0{\cdot}3$m. Sunshine Recorder, $h_s = 1{\cdot}5$m. Vane of Anemometer, $h_a = 15{\cdot}2$m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE and TEMPERATURE. JUNE, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9971	·9916	97·3	84·0	9	·9915	·9887	86·3	74·9	17	·9840	·9721	89·1	81·4	25	·9776	**·9671**	87·8	81·3
2	·9969	·9913	94·9	80·1	10	·9910	·9866	86·9	74·7	18	·9727	·9683	87·0	83·7	26	·9865	·9769	86·3	78·6
3	·9918	·9877	93·9	80·5	11	·9886	·9874	89·1	74·9	19	·9741	·9724	89·2	80·2	27	·9927	·9865	87·5	73·6
4	·9960	·9902	96·3	79·8	12	·9877	·9834	90·2	74·0	20	·9823	·9741	89·3	79·8	28	·9924	·9876	88·2	81·6
5	·0026	·9960	94·0	83·1	13	·9893	·9861	84·2	73·8	21	·9834	·9786	86·3	81·2	29	·9904	·9762	87·3	80·8
6	**·0072**	·0026	92·6	79·1	14	·9944	·9892	87·2	76·1	22	·9786	·9709	86·1	81·7	30	·9764	·9753	88·1	81·1
7	·0070	·0015	**98·5**	76·9	15	·9954	·9943	88·5	**73·5**	23	·9774	·9744	87·3	80·7					
8	·0015	·9915	97·5	82·4	16	·9950	·9840	90·3	75·9	24	·9768	·9679	82·6	81·1					
										Mean	—	—	89·7	79·0

TABLE II.

ESKDALEMUIR. JUNE, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9917	·9919	·9921	·9923	·9925	·9929	·9934	·9937	·9937	·9936	·9939	·9941	·9943	·9945	·9946	·9946	·9945	·9946	·9948	·9953	·9960	·9967	·9968	·9968	·9969	·9943
2	·9969	·9968	·9968	·9966	·9966	·9963	·9964	·9963	·9960	·9955	·9949	·9947	·9943	·9939	·9933	·9927	·9924	·9918	·9914	·9916	·9921	·9926	·9925	·9921	·9918	·9942
3	·9918	·9915	·9910	·9903	·9905	·9904	·9903	·9903	·9902	·9903	·9900	·9893	·9888	·9883	·9883	·9880	·9879	·9878	·9880	·9883	·9891	·9896	·9900	·9902	·9902	·9896
4	·9902	·9902	·9904	·9906	·9910	·9913	·9918	·9921	·9923	·9925	·9925	·9925	·9926	·9927	·9929	·9930	·9932	·9934	·9937	·9941	·9945	·9951	·9954	·9959	·9960	·9928
5	·9960	·9963	·9965	·9966	·9969	·9972	·9977	·9981	·9981	·9984	·9987	·9988	·9988	·9990	·9989	·9989	·9991	·9991	·9999	·0007	·0010	·0014	·0018	·0022	·0026	·9989
6	·0026	·0028	·0030	·0031	·0038	·0043	·0050	·0053	·0056	·0059	·0066	·0069	·0071	·0067	·0065	·0063	·0062	·0061	·0064	·0065	·0066	·0068	·0070	·0070	·0070	·0057
7	·0070	·0067	·0065	·0064	·0062	·0061	·0062	·0060	·0056	·0051	·0053	·0046	·0041	·0037	·0031	·0028	·0026	·0022	·0020	·0020	·0021	·0021	·0021	·0020	·0015	·0042
8	·0015	·0012	·0006	·0003	·0002	·9999	·9996	·9993	·9987	·9983	·9977	·9971	·9963	·9956	·9948	·9941	·9936	·9930	·9925	·9923	·9924	·9924	·9922	·9918	·9915	·9963
9	·9915	·9908	·9902	·9896	·9893	·9889	·9891	·9893	·9896	·9899	·9902	·9901	·9900	·9899	·9901	·9901	·9902	·9900	·9899	·9902	·9903	·9908	·9909	·9909	·9910	·9901
10	·9910	·9908	·9908	·9908	·9905	·9905	·9895	·9905	·9904	·9901	·9896	·9894	·9891	·9890	·9881	·9878	·9874	·9867	·9866	·9870	·9873	·9875	·9877	·9877	·9878	·9889
11	·9878	·9880	·9880	·9878	·9878	·9878	·9880	·9882	·9884	·9882	·9881	·9880	·9880	·9879	·9879	·9877	·9876	·9874	·9876	·9878	·9879	·9881	·9881	·9880	·9877	·9879
12	·9877	·9874	·9870	·9865	·9864	·9862	·9860	·9856	·9855	·9849	·9844	·9839	·9837	·9834	·9836	·9839	·9837	·9838	·9843	·9848	·9852	·9857	·9861	·9862	·9862	·9852
13	·9862	·9862	·9863	·9862	·9864	·9866	·9866	·9868	·9875	·9875	·9874	·9874	·9876	·9872	·9871	·9868	·9871	·9871	·9870	·9874	·9877	·9882	·9886	·9888	·9893	·9872
14	·9893	·9893	·9894	·9895	·9896	·9899	·9904	·9906	·9909	·9911	·9914	·9915	·9916	·9916	·9916	·9915	·9915	·9915	·9918	·9922	·9929	·9936	·9937	·9941	·9944	·9914
15	·9944	·9944	·9945	·9943	·9943	·9945	·9949	·9950	·9952	·9951	·9952	·9952	·9951	·9950	·9949	·9946	·9944	·9944	·9945	·9945	·9947	·9948	·9950	·9952	·9950	·9948
16	·9950	·9947	·9943	·9938	·9934	·9932	·9930	·9929	·9927	·9922	·9922	·9915	·9907	·9902	·9895	·9889	·9882	·9878	·9871	·9867	·9863	·9859	·9853	·9850	·9840	·9902
17	·9840	·9833	·9820	·9804	·9793	·9785	·9779	·9775	·9772	·9767	·9760	·9762	·9758	·9754	·9749	·9745	·9742	·9734	·9733	·9731	·9732	·9732	·9728	·9725	·9721	·9762
18	·9721	·9712	·9708	·9700	·9696	·9692	·9691	·9689	·9687	·9685	·9685	·9687	·9689	·9690	·9692	·9693	·9697	·9700	·9709	·9712	·9715	·9720	·9724	·9725	·9727	·9701
19	·9727	·9726	·9727	·9727	·9727	·9729	·9730	·9728	·9729	·9731	·9728	·9728	·9727	·9726	·9726	·9726	·9727	·9724	·9725	·9727	·9730	·9734	·9736	·9739	·9741	·9729
20	·9741	·9741	·9742	·9744	·9745	·9751	·9759	·9764	·9774	·9777	·9781	·9785	·9790	·9793	·9798	·9808	·9812	·9812	·9813	·9815	·9817	·9820	·9822	·9821	·9820	·9786
21	·9820	·9823	·9825	·9828	·9830	·9829	·9832	·9832	·9832	·9830	·9830	·9833	·9830	·9831	·9830	·9829	·9827	·9825	·9824	·9819	·9812	·9809	·9802	·9798	·9786	·9823
22	·9786	·9774	·9765	·9749	·9741	·9732	·9725	·9719	·9714	·9712	·9712	·9710	·9714	·9716	·9718	·9721	·9723	·9724	·9728	·9734	·9734	·9736	·9739	·9736	·9744	·9731
23	·9744	·9745	·9748	·9749	·9752	·9756	·9760	·9762	·9764	·9763	·9765	·9766	·9770	·9768	·9769	·9769	·9767	·9767	·9767	·9768	·9771	·9772	·9772	·9772	·9768	·9763
24	·9768	·9764	·9762	·9761	·9759	·9758	·9756	·9752	·9749	·9740	·9731	·9727	·9725	·9723	·9720	·9714	·9708	·9703	·9702	·9697	·9696	·9693	·9690	·9681	·9679	·9726
25	·9679	·9677	·9676	·9673	·9678	·9678	·9680	·9695	·9701	·9703	·9705	·9707	·9713	·9719	·9724	·9727	·9734	·9743	·9750	·9755	·9760	·9767	·9769	·9773	·9776	·9718
26	·9776	·9776	·9778	·9784	·9786	·9790	·9796	·9799	·9806	·9809	·9811	·9805	·9807	·9810	·9812	·9815	·9817	·9823	·9829	·9835	·9842	·9849	·9853	·9860	·9865	·9813
27	·9865	·9872	·9877	·9879	·9880	·9884	·9888	·9895	·9900	·9904	·9903	·9906	·9907	·9909	·9914	·9916	·9915	·9913	·9917	·9917	·9919	·9923	·9921	·9925	·9924	·9903
28	·9924	·9921	·9915	·9912	·9906	·9902	·9900	·9894	·9885	·9882	·9880	·9880	·9891	·9895	·9903	·9903	·9905	·9907	·9910	·9912	·9912	·9912	·9906	·9906	·9904	·9902
29	·9904	·9898	·9893	·9884	·9877	·9867	·9863	·9861	·9855	·9848	·9842	·9841	·9839	·9835	·9832	·9824	·9815	·9804	·9793	·9784	·9776	·9775	·9769	·9765	·9764	·9832
30	·9764	·9761	·9761	·9758	·9756	·9755	·9756	·9757	·9760	·9760	·9758	·9756	·9759	·9763	·9758	·9756	·9759	·9763	·9759	·9759	·9763	·9758	·9757	·9757	·9754	·9759
Mean...	0·9 8688	0·9 8671	0·9 8657	0·9 8633	0·9 8627	0·9 8623	0·9 8631	0·9 8641	0·9 8644	0·9 8632	0·9 8624	0·9 8614	0·9 8613	0·9 8606	0·9 8599	0·9 8588	0·9 8581	0·9 8570	0·9 8578	0·9 8593	0·9 8613	0·9 8638	0·9 8640	0·9 8641	0·9 8634	0·9 8622
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(21710—24.) Wt. 41466—310. 375. 11/11. D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* JUNE, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	0·5	—	1·8	—	1·3	—	1·3	—	1·3	—	0·9	—	1·3	—	0·9	—	1·3	—	6·3	—	5·4	—	6·7
2	—	2·2	—	2·7	—	2·2	—	3·6	—	3·1	—	3·1	—	3·6	—	4·0	—	4·9	—	5·4	—	5·8	—	5·8
3	—	3·6	—	4·5	—	4·0	—	5·8	—	5·8	—	4·9	—	5·8	—	5·8	—	4·5	—	6·3	—	7·2	—	7·2
4	—	1·3	—	0·9	—	0·9	—	0 5	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	—	1·3
5	—	0·0	—	0·0	—	0·5	—	0·9	—	0·0	—	0·0	—	0·5	—	0·9	—	4·9	—	4·9	—	4·5	—	4·0
6	—	0·9	—	2·7	—	1·3	—	0·0	—	0·0	—	0·0	—	3·1	—	6·7	—	5·8	—	5·4	—	3·6	—	4·0
7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	2·2	—	2·2	—	3·1	—	4·5	—	3·6	—	1·8
8	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·9	—	3·6	—	4·5	—	4·5	—	5·4
9	—	0·5	—	0·9	—	0·0	—	1·3	—	5·4	—	6·7	—	8·1	—	8·1	—	8·5	—	8·1	—	8·1	—	8·1
10	—	1·3	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	—	3·6	—	5·8	—	7·6	—	6·7
11	—	0·5	—	1·8	—	1·8	—	2·7	—	2·2	—	1·3	—	1·8	—	1·3	—	3·1	—	2·7	—	1·8	—	3·1
12	—	3·1	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	—	3·1	—	4·5	—	5·8	—	5·4
13	—	0·9	—	1·8	—	1·8	—	4·9	—	4·0	—	5·4	—	7·2	—	6·3	—	5·8	—	5·4	—	5·8	—	5·4
14	—	4·0	—	4·9	—	4·5	—	3·1	—	4·5	—	5·4	—	6·7	—	6·3	—	5·8	—	4·5	—	4·5	—	4·0
15	—	4·5	—	1·8	—	1·3	—	1·3	—	0·5	—	0·0	—	0·5	—	1·8	—	0·9	—	0·5	—	1·3	—	0·9
16	—	3·1	—	0·9	—	0·9	—	0·9	—	1·3	—	1·8	—	0·5	—	0·9	—	1·3	—	2·2	—	3·1	—	3·1
17	—	0·9	—	6·7	—	7·2	—	9·8	—	10·3	—	9·4	—	8·9	—	7·2	—	6·7	—	6·7	—	5·4	—	5·4
18	—	5·8	—	0·5	—	0·0	—	0·0	—	0·0	—	0·9	—	2·7	—	3·1	—	1·3	—	0·9	—	3·6	—	3·6
19	—	0·9	—	3·6	—	3·6	—	2·2	—	1·8	—	1·8	—	2·7	—	3·6	—	2·7	—	4·0	—	4·9	—	4·0
20	—	2·7	—	3·1	—	3·1	—	4·0	—	4·0	—	4·9	—	6·3	—	6·7	—	7·6	—	8·1	—	8·1	—	9·8
21	—	3·1	—	3·6	—	2·2	—	4·0	—	5·4	—	7·2	—	8·1	—	9·4	—	8·9	—	11·2	—	11·2	—	12·1
22	—	4·5	—	13·4	—	14·8	—	15·7	—	17·0	—	17·4	—	17·4	—	16·5	—	15·7	—	16·5	—	17·0	—	15·7
23	—	13·9	—	4·5	—	5·8	—	6·7	—	5·8	—	4·5	—	7·6	—	7·2	—	8·1	—	8·5	—	8·5	—	8·5
24	—	2·2	—	4·5	—	5·8	—	8·1	—	8·1	—	8·9	—	10·3	—	11·6	—	13·4	—	15·7	—	15·7	—	15·7
25	—	1·3	—	13·4	—	13·9	—	12·5	—	12·1	—	12·5	—	8·5	—	6·7	—	6·7	—	8·5	—	9·8	—	8·9
26	—	13·9	—	12·1	—	9·8	—	11·6	—	10·3	—	9·8	—	8·1	—	6·3	—	7·2	—	8·5	—	6·7	—	6·3
27	—	9·8	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	—	6·7	—	4·9	—	5·8	—	6·7	—	7·6	—	6·7
28	—	0·5	—	3·1	—	3·6	—	5·4	—	7·2	—	6·7	—	10·3	—	12·5	—	13·9	—	15·7	—	15·7	—	13·4
29	—	3·1	—	4·0	—	2·7	—	4·0	—	5·8	—	6·7	—	7·2	—	6·7	—	7·6	—	8·5	—	8·5	—	8·9
30	—	4·0	—	3·6	—	6·3	—	6·3	—	5·4	—	5·8	—	5·8	—	6·7	—	7·2	—	6·7	—	6·7	—	6·7
Mean ...	—	5·4	—	5·8	—	3·3	—	3·9	—	4·1	—	4·3	—	5·1	—	5·2	—	5·8	—	6·6	—	6·8	—	6·6
Normals ...	—	3·3	—	3·5	—	3·3	—	3·9	—	4·1	—	4·3	—	5·1	—	5·2	—	5·8	—	6·6	—	6·8	—	6·6
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
1	—	7·6	—	6·7	—	7·6	—	8·9	—	8·5	—	8·1	—	5·8	—	0·9	—	0·5	—	2·7	—	2·7	—	6·3	4·0	1
2	—	7·2	—	7·2	—	8·1	—	7·6	—	9·4	—	9·8	—	10·3	—	7·2	—	1·8	—	2·2	—	2·7	—	3·1	5·1	2
3	—	7·6	—	6·3	—	5·8	—	4·9	—	4·5	—	4·0	—	3·1	—	1·8	—	3·1	—	3·1	—	6·3	—	2·7	4·9	3
4	—	3·6	—	5·4	—	3·1	—	1·8	—	5·8	—	4·5	—	1·3	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	1·4	4
5	—	5·8	—	6·3	—	4·9	—	6·3	—	6·7	—	6·3	—	5·4	—	6·3	—	5·4	—	5·4	—	0·9	—	0·5	3·4	5
6	—	2·2	—	0·9	—	1·3	—	1·3	—	3·6	—	4·0	—	2·2	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	2·1	6
7	—	1·8	—	1·3	—	1·3	—	2·2	—	5·4	—	6·7	—	4·0	—	0·9	—	0·5	—	2·7	—	1·8	—	0·5	1·9	7
8	—	6·3	—	7·6	—	7·6	—	6·7	—	8·1	—	7·2	—	5·8	—	4·9	—	4·5	—	1·8	—	1·3	—	0·9	3·3	8
9	—	8·5	—	6·7	—	7·2	—	7·2	—	5·8	—	4·5	—	4·5	—	3·1	—	3·1	—	2·2	—	2·2	—	1·3	5·0	9
10	—	5·4	—	6·3	—	5·4	—	5·4	—	7·2	—	8·1	—	6·3	—	5·4	—	1·8	—	0·5	—	0·5	—	1 3	3·3	10
11	—	2·2	—	3·1	—	3·1	—	2·7	—	3·1	—	3·6	—	3·6	—	1·8	—	0·0	—	0·0	—	0·5	—	0·5	2·1	11
12	—	4·5	—	6·7	—	7·6	—	6·7	—	5·8	—	7·2	—	5·8	—	4·0	—	0·9	—	0·9	—	0·5	—	1·3	3·1	12
13	—	3·6	—	3·1	—	4·9	—	5·8	—	5·4	—	4·5	—	3·1	—	2·7	—	1·3	—	3·1	—	4·0	—	3·6	4·3	13
14	—	3·6	—	3·1	—	2·7	—	3·1	—	2·7	—	3·6	—	3·6	—	1·8	—	1·3	—	3·6	—	2·2	—	3·1	3·9	14
15	—	0·9	—	1·3	—	1·3	—	4·0	—	4·5	—	4·5	—	3·6	—	1·3	—	2·2	—	2·2	—	3·6	—	1·3	1·9	15
16	—	3·6	—	4·0	—	4·9	—	5·4	—	5·8	—	5·4	—	4·0	—	4·5	—	5·8	—	6·7	—	5·4	—	4·0	3·2	16
17	—	4·5	—	4·0	—	5·8	—	6·3	—	7·2	—	4·5	—	4·0	—	2·7	—	1·3	—	0·5	—	0·9	—	0·9	5·5	17
18	—	3·1	—	3·6	—	3·6	—	2·7	—	3·6	—	4·0	—	4·0	—	2·7	—	1·3	—	3·6	—	3·6	—	4·0	2·4	18
19	—	3·1	—	4·0	—	3·1	—	3·1	—	0·5	—	1·3	—	3·6	—	0·0	—	0·5	—	3·1	—	3·1	—	3·1	2·8	19
20	—	9·8	—	9·8	—	9·8	—	8·1	—	6·3	—	5·8	—	5·8	—	5·8	—	4·5	—	3·6	—	4·5	—	5·4	6·2	20
21	—	10·3	—	10·3	—	10·3	—	8·5	—	8·9	—	9·8	—	8·9	—	9·4	—	8·5	—	10·3	—	10·7	—	12·5	8·6	21
22	—	16·1	—	14·8	—	13·9	—	11·6	—	11·2	—	8·5	—	4·9	—	2·2	—	0·9	—	1·8	—	4·0	—	2·2	11·8	22
23	—	8·1	—	8·1	—	8·1	—	6·7	—	4·9	—	4·5	—	3·6	—	1·3	—	0·0	—	0·0	—	0·0	—	0·5	5·2	23
24	—	14·3	—	14·8	—	14·8	—	14·8	—	13·9	—	12·5	—	13·4	—	13·0	—	13·4	—	13·4	—	13·9	—	14·8	11·9	24
25	—	8·9	—	9·4	—	11·2	—	10·3	—	8·1	—	8·5	—	7·2	—	6·3	—	6·7	—	8·1	—	6·7	—	7·6	9·4	25
26	—	7·2	—	6·3	—	8·1	—	9·4	—	9·4	—	6·7	—	6·7	—	7·6	—	8·1	—	7·6	—	0·9	—	1·3	7·7	26
27	—	8·1	—	7·6	—	8·1	—	7·6	—	8·5	—	7·6	—	6·7	—	8·1	—	6·3	—	7·6	—	5·8	—	5·4	5·4	27
28	—	12·5	—	13·0	—	11·6	—	9·8	—	8·9	—	7·2	—	4·9	—	3·6	—	4·0	—	3·6	—	3·1	—	3·1	8·2	28
29	—	9·8	—	10·3	—	10·3	—	11·6	—	12·1	—	13·4	—	13·0	—	12·5	—	10·3	—	8·9	—	5·8	—	4·0	8·2	29
30	—	6·7	—	8·1	—	8·9	—	8·5	—	8·1	—	6·3	—	5·8	—	4·0	—	2·7	—	3·6	—	1·8	—	3·6	6·0	30
Mean ...	—	6·5	—	6·6	—	6·8	—	6·6	—	6·8	—	6·4	—	5·5	—	4·2	—	3·4	—	3·8	—	3·3	—	3·3	5·1	
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. JUNE, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	1·52	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·77
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	1·02	0·76	0·76	—	—	0·76	—	—	—	—	0·51	0·51	0·51	0·51	0·25	—	—	—	—	—	—	0·25	3·05	0·25	9·14
18	—	—	1·02	1·52	3·81	—	0·51	0·51	—	—	—	0·25	1·02	0·51	3·30	2·79	0·76	0·25	0·51	—	—	—	—	—	16·76
19	—	—	—	—	—	—	—	—	0·51	—	0·76	—	—	—	0·25	1·52	0·51	—	—	—	—	—	—	—	3·55
20	—	—	—	0·76	0·25	0·25	0·76	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	1·27	3·54
21	—	—	—	—	—	—	—	—	—	—	—	—	0·76	0·25	0·25	1·02	2·28	1·27	1·02	0·25	0·51	0·51	1·02	0·51	9·65
22	0·25	1·52	2·79	1·02	0·25	0·25	—	0·25	0·25	—	—	0·51	—	—	—	2·03	1·27	1·52	1·02	3·05	1·02	0·76	0·25	—	18·01
23	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
24	—	—	—	—	—	—	0·25	1·02	1·02	0·51	0·76	2·03	1·78	1·52	0·51	0·51	0·76	1·52	—	0·25	—	0·25	0·25	0·51	13·45
25	0·51	—	0·25	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
26	—	0·25	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	0·75
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·52	1·02	1·02	0·76	0·51	0·25	0·51	0·25	—	6·09
30	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
Sum ...	3·55	2·78	4·82	3·30	4·56	1·51	2·02	2·03	1·78	0·51	2·03	3·30	4·07	2·79	4·81	9·64	6·60	5·58	3·31	4·06	2·03	2·28	4·82	2·54	84·72
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JUNE, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	·2	·7	1·0	1·0	1·0	1·0	·7	1·0	1·0	1·0	·9	1·0	·6	·7	—	—	11·8	☰ ; fine.
2	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	15·9	☰ ; fine.
3	·4	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	—	15·2	☰ ; fine.
4	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	·6	·2	·1	·6	·1	—	—	·2	—	8·5	A.M. fine ; P.M. threatening-looking. ⊕ [19h. 20m.
5	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	13·6	Very fine.
6	·1	·6	·8	·7	·5	·1	·1	·6	1·0	1·0	1·0	1·0	1·0	·6	·4	·2	—	9·7	A.M. cloudy ; P.M. very fine. [later.
7	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	13·9	Cloudless morning, becoming less bright
8	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·2	15·2	Fine ; distant ⊤ heard during day.
9	·5	·4	—	—	·4	·1	—	·7	·8	·8	·9	·9	·9	1·0	1·0	·9	·3	9·6	Cloudy to fine ; much cooler.
10	—	—	—	—	·5	·4	·5	·1	·4	·2	—	—	—	·4	·8	—	—	3·3	Fine generally, though threatening at
11	—	—	—	—	·1	·9	·8	·8	·9	·7	·6	·9	·1	—	—	—	—	5·8	≋° early, then fine to hazy. [times.
12	—	—	·4	1·0	·7	·3	·9	·9	·9	·3	·1	—	·2	·8	·7	·9	·4	8·5	Fine generally ; threatening-looking P.M.
13	·4	1·0	1·0	1·0	·8	·2	·3	·1	—	·1	·2	—	—	·5	·8	·6	·5	7·5	Variably cloudy ; ●° showers in evening.
14	·5	1·0	1·0	1·0	1·0	·9	1·0	·7	·8	·7	·7	·5	·7	·6	·1	·5	·3	12·0	Fine to hazy.
15	—	1·0	1·0	1·0	1·0	·1	·7	·2	·4	·8	·1	—	·1	—	·1	—	—	6·5	Fine to cloudy.
16	—	—	·4	·4	·4	·1	·9	·1	·4	·9	·3	—	—	—	—	—	—	3·9	A.M. fair ; P.M. dull.
17	—	—	—	—	—	—	—	—	—	—	—	·3	·5	·6	·2	—	—	1·6	Dull, with ●² showers after 21h. Fre-
18	—	—	—	—	—	—	—	—	—	—	·1	—	·1	—	—	—	—	0·2	Variable and showery. [quent distant ⊤.
19	—	—	—	—	·1	·4	·5	·2	—	·2	·5	—	—	·8	·5	—	—	3·2	Variable and showery.
20	—	—	—	·1	·5	·6	·9	1·0	1·0	·9	·1	—	—	·1	—	—	—	5·2	Cloudy and showery. [13h.
21	—	—	·1	·1	—	—	—	—	—	—	—	—	—	—	—	—	—	0·2	Fine early ; overcast after 8h. ; ● after
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast ; strong wind, and frequent ●.
23	—	·2	·9	1·0	1·0	·8	·7	·8	·2	1·0	·7	1·0	1·0	1·0	1·0	·7	·3	12·3	Fine.
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and cold, with ✳° P.M.
25	—	—	—	—	—	—	—	—	—	·4	·3	·8	·1	·1	—	—	—	1·7	Variably cloudy.
26	·1	·9	·1	·8	·4	·5	—	·2	—	—	—	·1	·4	·8	·9	·8	—	6·0	Cloudy day, becoming finer in evening.
27	—	1·0	1·0	1·0	1·0	·5	·2	·6	·6	—	—	—	—	—	·1	·3	—	6·3	≋° ; dull generally.
28	—	—	—	—	·1	·1	1·0	1·0	1·0	1·0	·7	·7	·5	1·0	·8	—	—	7·9	Dull generally.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull with ● P.M.
30	—	—	·2	·6	·1	·2	·9	·5	·1	—	·9	·6	·1	·2	·5	·1	—	5·0	Fine generally ; ⌒ at 18h.
Total.	2·8	10·1	13·3	15·6	15·6	13·2	16·4	15·2	15·1	15·2	13·3	13·3	11·7	13·7	13·2	10·4	2·4	210·5	
Normals.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

TABLE VI.

ESKDALEMUIR. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. JUNE, 1911.

First figure (2 or 3) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	87·2	87·1	85·9	86·2	86·3	86·7	87·5	89·6	92·0	93·7	94·3	94·8	95·3	96·2	96·8	96·5	96·3	94·7	93·8	92·4	90·7	89·2	86·4	84·9	84·1	91·0
2	84·1	83·6	81·4	80·8	80·7	81·3	84·2	86·3	88·6	90·8	92·4	93·7	94·1	94·3	94·5	93·6	92·9	91·9	90·6	88·5	86·7	83·7	82·1	81·3	81·3	87·5
3	81·3	80·8	81·3	81·3	80·6	81·3	82·9	83·1	85·6	87·4	90·2	92·0	93·0	93·9	92·6	93·7	93·6	93·3	91·9	90·2	88·6	85·9	84·9	84·3	83·6	87·3
4	83·6	82·1	81·7	80·5	80·2	81·1	85·0	87·5	90·7	92·1	93·9	95·4	96·2	93·5	94·8	95·0	94·2	92·3	92·5	92·6	90·8	87·4	86·2	84·9	83·6	88·9
5	83·6	83·7	84·1	84·1	83·2	83·5	84·1	86·7	89·7	90·4	90·4	91·7	93·1	93·5	93·6	93·6	92·8	92·1	90·6	88·6	86·5	85·8	86·3	85·2	84·8	88·2
6	84·8	83·5	83·1	82·0	80·7	80·0	83·4	86·3	86·9	87·3	87·9	88·4	89·5	90·2	90·8	91·4	91·9	91·3	89·6	88·5	87·5	85·4	83·1	81·7	80·8	86·4
7	80·8	80·1	79·1	78·2	77·6	77·9	80·1	85·2	89·8	92·2	92·4	94·6	95·7	96·8	97·2	98·2	98·3	97·3	95·8	93·7	91·6	89·7	88·9	87·8	87·3	89·3
8	87·3	86·7	86·6	84·1	82·5	84·6	87·5	90·9	93·0	93·1	93·3	94·4	95·3	94·6	97·3	96·8	96·3	95·2	93·8	92·4	89·4	87·3	85·3	84·7	84·8	90·5
9	84·8	85·5	85·2	84·5	84·5	85·4	85·3	82·5	83·5	83·9	84·6	84·5	86·2	84·6	84·7	84·4	85·0	85·2	84·6	83·6	79·8	77·6	77·4	76·7	75·3	83·3
10	75·3	74·8	75·9	75·2	74·8	75·4	76·8	79·1	81·4	81·7	83·9	84·1	85·1	84·1	85·7	85·6	85·5	86·0	86·1	86·0	83·7	81·3	79·7	78·2	77·4	81·1
11	77·4	77·6	75·0	76·4	78·4	79·5	80·3	81·2	82·3	84·2	85·5	86·9	88·5	87·7	88·5	89·0	88·2	87·5	86·9	86·1	84·7	83·4	82·3	81·2	80·4	83·3
12	80·4	79·8	78·0	76·0	75·6	76·2	78·4	81·0	85·2	87·0	88·1	88·0	88·7	89·1	87·2	85·5	85·6	85·8	84·6	83·0	81·7	78·5	78·4	75·7	75·4	82·3
13	75·4	74·8	75·1	74·1	75·8	78·5	80·2	81·2	81·4	81·7	82·4	81·7	82·0	82·9	82·9	83·5	82·3	82·3	82·0	81·3	81·3	77·9	76·8	76·5	76·7	79·8
14	76·7	77·0	76·9	76·3	76·2	77·4	79·6	80·9	82·0	83·0	83·0	83·4	84·6	84·7	85·4	86·0	86·5	86·2	84·6	84·1	81·9	79·2	78·7	77·3	77·0	81·3
15	77·0	76·9	76·4	75·4	74·1	75·6	79·5	82·6	84·1	84·9	85·0	86·7	86·3	87·6	87·3	87·8	87·2	86·4	86·2	85·4	84·5	81·9	80·1	79·0	78·1	82·4
16	78·1	76·8	76·3	76·7	77·4	78·4	80·7	83·9	85·7	86·6	87·9	87·8	89·0	89·2	89·9	89·6	89·5	88·5	87·4	86·3	85·8	85·2	84·8	84·1	82·8	84·5
17	82·8	82·1	82·1	82·4	82·4	82·7	82·5	82·9	83·7	84·8	86·2	85·7	86·2	86·3	86·8	86·4	88·6	89·1	87·6	87·1	86·3	85·8	85·3	84·5	84·6	85·1
18	84·6	84·0	84·1	83·8	84·0	83·8	84·1	84·3	84·9	85·9	86·2	85·0	85·7	85·8	86·5	84·9	85·7	85·5	84·9	85·2	84·5	83·8	84·3	84·1	84·4	84·8
19	84·4	84·3	84·3	84·2	84·2	84·3	84·6	85·0	85·6	85·6	87·4	87·5	86·7	87·8	88·7	86·3	85·7	87·1	87·4	86·1	84·8	83·3	82·3	81·3	80·7	85·3
20	80·7	80·1	80·0	81·3	83·7	84·1	84·6	84·2	85·2	87·2	86·7	88·0	87·5	89·1	87·7	85·7	84·9	85·0	85·2	85·0	84·6	84·1	83·7	84·0	84·0	84·8
21	84·0	82·5	82·8	81·3	82·5	82·8	83·2	84·0	84·1	85·0	86·3	85·8	85·7	84·7	84·7	84·8	84·6	85·0	85·1	84·9	84·8	84·3	84·1	84·1	84·2	84·2
22	84·2	84·7	84·8	84·9	85·3	85·3	85·4	85·3	85·3	85·2	85·4	85·7	85·3	85·5	85·8	86·1	85·7	85·8	85·2	84·6	83·5	82·6	82·4	81·8	81·8	84·8
23	81·8	80·7	81·2	81·0	81·4	81·9	82·9	82·9	84·3	84·9	85·2	85·4	84·6	86·1	87·0	86·3	87·0	86·8	86·8	85·2	84·3	82·4	82·2	82·2	82·4	84·0
24	82·4	82·1	82·2	82·4	82·4	82·1	82·5	82·0	81·9	81·4	81·4	81·2	81·6	81·5	81·8	81·8	81·7	81·7	81·7	81·8	82·2	82·3	82·1	82·3	81·7	81·9
25	81·7	81·8	81·7	81·7	82·0	82·4	82·9	81·9	82·4	83·2	84·1	85·3	85·6	85·5	86·9	87·2	85·8	85·0	84·3	83·5	83·5	83·0	82·3	81·8	81·4	83·6
26	81·4	81·0	80·1	79·1	79·6	79·5	80·8	81·3	82·9	83·3	83·4	83·7	85·2	84·6	85·1	84·8	84·5	84·8	85·1	83·7	82·1	81·4	80·7	80·2	78·6	82·4
27	78·6	76·6	75·3	74·1	73·9	76·0	79·0	81·4	83·0	84·1	84·5	85·9	87·0	86·4	85·6	84·9	84·5	84·1	83·8	85·0	83·6	83·6	83·0	83·5	83·5	82·1
28	83·5	82·8	82·4	82·3	82·2	83·1	83·2	84·0	84·7	85·6	87·0	87·6	87·0	87·0	87·6	86·9	86·1	86·1	86·9	85·2	84·4	83·0	82·5	81·7	81·6	84·7
29	81·6	81·7	81·9	82·0	82·0	82·5	82·9	83·0	83·5	84·1	86·2	86·2	86·0	85·8	84·3	83·7	83·8	83·6	83·6	83·3	83·5	83·2	83·1	82·5	82·4	83·5
30	82·4	81·3	81·8	81·8	81·8	81·8	81·8	82·3	83·6	84·1	85·7	85·9	86·4	86·2	87·8	87·6	85·6	85·5	84·9	84·1	83·2	81·5	81·7	81·7	81·4	83·8
Mean ...	81·7	81·2	80·9	80·5	80·5	81·2	82·5	83·8	85·2	86·1	87·0	87·6	88·1	88·2	88·5	88·3	88·0	87·7	87·1	86·2	85·0	83·5	82·7	82·0	81·5	84·7
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JUNE, 1911.

1	79	84	98	95	91	88	87	79	68	59	64	61	60	52	50	47	55	54	55	60	67	67	69	62	59	68·4
2	59	58	67	68	73	75	68	65	62	51	43	42	46	43	51	57	60	64	60	63	61	72	89	86	87	62·3
3	87	86	87	86	89	90	88	86	83	79	72	65	62	53	59	55	57	58	64	74	81	90	93	93	96	76·8
4	96	95	94	97	94	95	90	82	69	67	57	55	54	68	64	59	72	72	74	76	80	88	92	92	97	78·5
5	97	99	100	100	100	95	98	87	56	38	46	41	45	50	57	59	61	66	71	81	87	91	87	87	91	74·8
6	91	88	91	88	89	89	83	80	77	79	80	76	73	65	64	64	64	68	72	77	84	91	98	94	100	80·4
7	100	94	97	99	98	93	92	86	67	51	60	52	51	49	48	48	51	60	64	67	76	83	85	88	89	73·1
8	89	88	89	94	100	94	87	75	65	69	70	70	66	71	53	56	56	54	62	67	74	81	90	90	93	75·5
9	93	94	94	97	91	84	87	98	82	75	71	65	61	62	55	56	53	49	53	60	76	83	84	88	88	75·4
10	88	96	88	88	88	92	90	85	77	70	69	69	69	70	63	62	69	61	62	64	73	81	84	87	86	76·8
11	86	90	89	92	93	93	92	88	82	74	66	59	60	55	58	55	56	60	63	62	69	76	78	80	83	74·0
12	83	80	84	88	88	87	89	82	73	64	65	61	58	56	70	76	70	67	70	73	76	86	81	85	88	75·6
13	88	87	84	84	85	82	74	69	67	58	62	60	61	58	58	54	64	63	74	69	71	79	72	79	80	70·8
14	80	84	84	83	84	81	72	65	61	61	56	56	55	53	53	51	48	49	60	60	70	77	76	80	82	66·7
15	82	82	82	85	79	85	77	66	61	61	61	58	59	57	57	55	59	62	64	67	68	75	79	80	85	69·3
16	85	85	84	87	87	86	80	72	66	67	62	60	56	56	52	52	57	63	64	70	74	70	70	70	88	69·9
17	88	92	96	91	92	89	96	93	93	92	95	92	95	94	92	96	81	77	85	87	89	91	91	97	95	91·2
18	95	100	99	100	100	100	100	100	99	91	85	94	94	91	89	92	92	95	98	95	95	98	100	100	100	96·0
19	100	100	100	100	100	97	99	95	95	94	81	69	82	76	70	81	83	85	82	80	92	89	95	92	95	88·9
20	95	94	97	100	99	95	93	92	87	78	78	68	66	67	74	88	91	90	93	89	93	93	99	94	95	88·1
21	95	91	81	90	93	93	95	88	95	90	80	81	82	92	93	91	99	96	95	97	96	99	99	99	99	92·1
22	99	98	98	99	98	99	99	99	98	99	98	95	99	94	94	90	98	97	98	100	94	91	81	86	87	95·7
23	87	94	95	97	98	93	93	87	79	73	68	71	77	65	72	70	73	65	66	74	78	87	90	90	87	80·9
24	87	90	90	93	94	95	91	99	94	100	98	100	100	100	100	100	96	93	94	90	88	84	89	86	87	93·8
25	87	85	86	84	84	81	80	88	85	83	80	78	77	77	74	72	80	82	91	92	91	90	88	88	89	83·5
26	89	87	83	84	84	87	85	85	74	69	76	73	72	73	70	71	76	78	76	80	85	85	86	85	90	79·8
27	90	90	94	90	94	90	85	75	72	69	72	81	79	80	81	89	88	87	95	82	81	78	80	76	81	83·1
28	81	87	93	93	96	93	97	100	100	97	85	74	83	87	88	88	88	86	85	85	82	92	92	93	94	89·6
29	94	95	97	98	98	98	95	99	100	100	89	77	89	91	97	93	97	98	97	97	98	98	97	93	93	95·2
30	93	88	88	88	88	88	93	92	81	78	75	74	79	80	77	64	72	71	74	77	82	84	88	87	86	81·6
Mean ...	88·8	89·4	90·3	91·3	91·6	90·2	88·5	85·2	78·9	74·5	72·1	69·2	70·3	69·5	69·4	69·7	72·2	72·3	75·4	77·2	81·0	85·0	86·7	86·9	89·0	80·2
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

METEOROLOGICAL OFFICE OBSERVATORIES. [*Price Sixpence.*]

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** JULY, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.
Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE and TEMPERATURE. JULY, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0137	·0060	87·8	84·5	9	·0289	·0270	97·8	87·0	17	·0196	·0098	94·1	87·2	25	·0112	·0061	91·0	86·1
2	·0254	·0137	88·2	83·4	10	·0320	·0287	97·6	88·1	18	·0117	·0085	91·2	87·1	26	·0064	·0000	92·1	85·9
3	·0297	·0254	89·9	83·4	11	·0330	·0315	97·5	84·2	19	·0144	·0111	93·0	86·3	27	·0068	·0020	92·6	88·5
4	·0313	·0290	90·6	86·3	12	**·0332**	·0316	98·9	**82·2**	20	·0130	·0101	91·3	87·8	28	·0154	·0068	90·2	86·8
5	·0308	·0269	92·4	85·9	13	·0324	·0301	**300·2**	88·1	21	·0197	·0113	91·4	86·7	29	·0144	·0004	94·9	86·0
6	·0271	·0249	92·1	83·5	14	·0308	·0288	93·8	86·5	22	·0255	·0197	91·2	86·0	30	·0056	**·9984**	91·1	88·2
7	·0261	·0248	94·0	84·0	15	·0296	·0270	92·9	86·5	23	·0255	·0225	91·5	84·6	31	·0054	·0003	93·5	87·4
8	·0276	·0252	97·8	84·5	16	·0274	·0196	90·8	84·7	24	·0225	·0110	92·4	84·6	Mean.	—	—	93·0	85·9

TABLE II.

VALENCIA. JULY, 1911.

PRESSURE IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0067	·0069	·0066	·0062	·0061	·0065	·0069	·0075	·0078	·0085	·0087	·0094	·0096	·0102	·0105	·0110	·0113	·0114	·0116	·0122	·0124	·0129	·0131	·0135	·0137	·0096
2	·0137	·0138	·0137	·0140	·0141	·0145	·0148	·0158	·0168	·0174	·0179	·0186	·0191	·0199	·0204	·0210	·0216	·0220	·0225	·0233	·0237	·0243	·0248	·0249	·0254	·0191
3	·0254	·0257	·0259	·0259	·0260	·0264	·0268	·0273	·0275	·0279	·0284	·0284	·0282	·0286	·0287	·0289	·0288	·0287	·0287	·0287	·0289	·0292	·0295	·0295	·0295	·0279
4	·0295	·0295	·0293	·0292	·0290	·0292	·0294	·0299	·0302	·0305	·0305	·0306	·0306	·0307	·0307	·0308	·0307	·0307	·0307	·0307	·0308	·0310	·0311	·0311	·0308	·0303
5	·0308	·0307	·0304	·0303	·0301	·0301	·0298	·0300	·0303	·0304	·0301	·0299	·0295	·0291	·0289	·0289	·0286	·0283	·0279	·0278	·0278	·0279	·0275	·0273	·0270	·0292
6	·0270	·0268	·0261	·0258	·0256	·0258	·0256	·0256	·0256	·0255	·0254	·0252	·0251	·0252	·0251	·0251	·0250	·0249	·0249	·0249	·0251	·0253	·0252	·0252	·0250	·0254
7	·0250	·0251	·0248	·0248	·0248	·0248	·0248	·0252	·0252	·0251	·0250	·0252	·0251	·0252	·0252	·0254	·0253	·0254	·0253	·0253	·0255	·0255	·0258	·0261	·0259	·0252
8	·0259	·0258	·0257	·0255	·0253	·0254	·0257	·0261	·0266	·0267	·0267	·0268	·0267	·0268	·0266	·0266	·0263	·0262	·0261	·0261	·0262	·0265	·0272	·0275	·0276	·0263
9	·0276	·0277	·0277	·0276	·0274	·0276	·0276	·0277	·0279	·0277	·0276	·0272	·0273	·0273	·0273	·0272	·0271	·0271	·0272	·0274	·0278	·0284	·0286	·0286	·0288	·0276
10	·0288	·0290	·0289	·0287	·0291	·0291	·0292	·0299	·0299	·0301	·0300	·0300	·0302	·0303	·0303	·0303	·0301	·0300	·0302	·0301	·0302	·0309	·0315	·0317	·0320	·0300
11	·0320	·0320	·0320	·0317	·0318	·0320	·0321	·0317	·0318	·0319	·0318	·0319	·0319	·0319	·0319	·0318	·0316	·0318	·0318	·0318	·0318	·0326	·0328	·0329	·0330	·0320
12	·0330	·0330	·0329	·0328	·0327	·0329	·0332	·0330	·0329	·0330	·0327	·0327	·0326	·0326	·0321	·0320	·0316	·0318	·0318	·0320	·0319	·0323	·0325	·0325	·0324	·0325
13	·0324	·0320	·0318	·0316	·0316	·0319	·0319	·0319	·0318	·0317	·0313	·0312	·0312	·0311	·0310	·0308	·0304	·0304	·0302	·0302	·0302	·0306	·0307	·0307	·0308	·0312
14	·0308	·0308	·0305	·0304	·0304	·0304	·0303	·0303	·0303	·0302	·0299	·0301	·0302	·0301	·0299	·0297	·0293	·0291	·0290	·0291	·0289	·0291	·0292	·0295	·0296	·0299
15	·0296	·0294	·0291	·0287	·0289	·0290	·0291	·0292	·0293	·0294	·0293	·0293	·0291	·0291	·0287	·0284	·0279	·0274	·0271	·0272	·0272	·0273	·0274	·0274	·0274	·0285
16	·0274	·0270	·0267	·0264	·0259	·0257	·0256	·0252	·0248	·0247	·0245	·0243	·0242	·0233	·0231	·0228	·0223	·0218	·0216	·0212	·0207	·0206	·0203	·0201	·0196	·0236
17	·0196	·0191	·0186	·0177	·0171	·0168	·0163	·0162	·0156	·0153	·0144	·0138	·0133	·0129	·0125	·0121	·0117	·0111	·0108	·0104	·0101	·0102	·0101	·0101	·0098	·0138
18	·0098	·0095	·0092	·0089	·0088	·0086	·0085	·0088	·0090	·0092	·0096	·0099	·0101	·0103	·0104	·0106	·0105	·0104	·0106	·0109	·0111	·0116	·0117	·0115	·0114	·0100
19	·0114	·0115	·0114	·0113	·0111	·0115	·0116	·0120	·0121	·0125	·0130	·0128	·0128	·0130	·0135	·0136	·0134	·0139	·0136	·0134	·0127	·0132	·0132	·0133	·0130	·0126
20	·0130	·0127	·0122	·0118	·0115	·0110	·0117	·0106	·0106	·0105	·0107	·0110	·0113	·0114	·0113	·0112	·0112	·0115	·0116	·0116	·0119	·0119	·0120	·0120	·0118	·0115
21	·0118	·0118	·0118	·0116	·0115	·0115	·0116	·0120	·0124	·0128	·0140	·0144	·0151	·0156	·0161	·0167	·0171	·0174	·0175	·0180	·0185	·0190	·0192	·0194	·0197	·0150
22	·0197	·0199	·0202	·0205	·0206	·0210	·0215	·0221	·0226	·0231	·0235	·0241	·0243	·0245	·0246	·0247	·0247	·0248	·0250	·0253	·0254	·0254	·0254	·0251	·0255	·0234
23	·0255	·0253	·0249	·0247	·0245	·0246	·0247	·0247	·0250	·0252	·0248	·0252	·0250	·0249	·0247	·0247	·0245	·0243	·0241	·0238	·0236	·0235	·0232	·0229	·0225	·0244
24	·0225	·0217	·0210	·0203	·0195	·0190	·0184	·0180	·0176	·0171	·0168	·0165	·0160	·0156	·0150	·0143	·0140	·0132	·0127	·0123	·0120	·0119	·0116	·0114	·0112	·0160
25	·0112	·0111	·0108	·0107	·0109	·0109	·0110	·0109	·0109	·0109	·0110	·0109	·0108	·0107	·0102	·0099	·0095	·0088	·0080	·0075	·0071	·0070	·0065	·0063	·0064	·0096
26	·0064	·0063	·0061	·0060	·0058	·0059	·0060	·0061	·0060	·0058	·0055	·0051	·0041	·0037	·0029	·0022	·0019	·0013	·0008	·0004	·0000	·0004	·0008	·0014	·0020	·0037
27	·0020	·0024	·0027	·0025	·0027	·0029	·0033	·0038	·0046	·0050	·0052	·0053	·0053	·0056	·0061	·0059	·0058	·0057	·0055	·0056	·0058	·0061	·0064	·0065	·0068	·0048
28	·0068	·0070	·0073	·0079	·0086	·0096	·0104	·0115	·0122	·0130	·0135	·0138	·0143	·0146	·0149	·0150	·0149	·0146	·0147	·0146	·0150	·0153	·0154	·0150	·0144	·0127
29	·0144	·0141	·0136	·0131	·0128	·0127	·0125	·0122	·0117	·0109	·0103	·0102	·0092	·0085	·0080	·0062	·0056	·0051	·0029	·0035	·0028	·0026	·0025	·0010	·0004	·0083
30	·0004	·0003	·0001	·9994	·9989	·9986	·9986	·9991	·0001	·0009	·0013	·0019	·0024	·0029	·0036	·0041	·0043	·0046	·0048	·0050	·0052	·0055	·0056	·0055	·0053	·0023
31	·0053	·0051	·0048	·0047	·0046	·0045	·0045	·0046	·0046	·0045	·0043	·0041	·0038	·0037	·0031	·0027	·0025	·0020	·0011	·0005	·0006	·0010	·0012	·0014	·0013	·0032
Mean...	1·0 1953	1·0 1945	1·0 1925	1·0 1905	1·0 1896	1·0 1905	1·0 1914	1·0 1932	1·0 1947	1·0 1959	1·0 1960	1·0 1967	1·0 1963	1·0 1965	1·0 1959	1·0 1950	1·0 1934	1·0 1922	1·0 1904	1·0 1906	1·0 1906	1·0 1932	1·0 1942	1·0 1940	1·0 1935	1·0 1934
Normals 1871–1910.	1·0 1464	1·0 1443	1·0 1419	1·0 1399	1·0 1385	1·0 1385	1·0 1396	1·0 1406	1·0 1423	1·0 1430	1·0 1440	1·0 1447	1·0 1453	1·0 1453	1·0 1453	1·0 1450	1·0 1443	1·0 1436	1·0 1440	1·0 1447	1·0 1457	1·0 1474	1·0 1487	1·c 1481	1·0 1470	1·0 1438

(21995—24.) Wt. 41466—310. 250. 12/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY (V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. JULY, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	23	4·0	23	2·2	23	4·5	24	4·0	26	6·3	26	4·5	26	5·8	26	6·7	27	6·3	27	5·4	27	6·3	28	6·7
2	26	6·3	26	4·0	26	6·7	26	6·3	27	5·4	28	6·7	28	6·7	28	7·6	28	7·2	28	8·1	28	6·7	28	6·7
3	27	2·7	27	3·1	—	0·9	—	1·3	27	2·2	27	3·1	25	3·1	24	3·6	22	4·0	21	4·5	21	4·0	20	4·5
4	18	2·7	18	3·1	19	4·9	19	4·5	19	3·6	19	3·1	19	2·7	18	3·1	18	3·1	18	3·1	19	4·5	19	5·4
5	—	1·3	—	1·3	20	1·8	—	0·9	—	0·9	—	1·3	—	0·9	20	2·2	20	2·7	20	2·2	20	1·8	19	2·7
6	16	2·7	16	2·2	16	2·2	11	1·8	8	1·8	—	1·3	—	1·3	12	2·7	12	3·1	13	2·2	17	2·2	20	4·0
7	—	0·9	—	1·3	—	0·9	—	1·3	32	1·8	—	0·9	—	1·3	—	1·3	—	1·3	32	1·8	32	2·2	26	2·7
8	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	31	2·7
9	—	0·9	10	1·8	—	0·9	10	1·8	—	0·9	—	0·9	—	1·3	—	0·0	—	0·9	9	1·8	9	1·8	18	4·5
10	—	0·9	—	0·5	—	0·9	—	0·5	—	0·0	—	0·0	—	0·0	—	0·9	15	1·8	14	4·5	14	4·9	12	3·6
11	—	0·9	—	0·5	—	0·5	—	0·5	—	0·5	—	0·0	—	0·5	—	0·0	9	1·8	11	3·1	11	3·1	12	4·0
12	—	1·3	—	1·3	6	2·2	—	1·3	—	1·3	—	0·9	6	1·8	—	1·3	—	0·0	—	0·9	—	0·9	32	3·1
13	—	0·0	—	0·0	—	0·0	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	3	3·6	4	5·4
14	—	0·0	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	32	3·6	32	3·6	29	4·5	29	7·2	29	6·3
15	8	1·8	3	3·6	3	8·5	3	4·9	—	0·9	—	0·5	—	0·5	3	2·7	32	3·1	1	3·1	1	3·1	32	4·5
16	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	31	2·7	31	3·1	31	3·6	31	3·1	28	4·0	28	4·5	28	4·5
17	27	3·6	27	2·7	27	1·8	27	1·8	26	3·6	26	2·7	26	3·1	26	3·1	—	1·3	23	3·1	20	5·8	20	6·7
18	23	4·9	23	5·4	23	7·6	23	7·2	23	6·7	23	8·1	23	6·7	23	6·7	23	6·7	23	6·7	23	8·1	23	7·6
19	21	2·2	20	1·8	19	1·8	19	1·8	—	1·3	—	1·3	19	1·8	16	2·7	16	2·7	16	3·1	16	3·1	16	3·6
20	14	4·5	14	4·9	14	5·4	14	4·9	14	5·4	14	6·7	13	9·4	13	8·9	13	6·3	13	6·3	13	6·3	13	6·7
21	14	8·1	14	7·2	14	7·2	14	8·1	14	7·2	14	8·1	14	8·1	14	6·7	15	8·1	16	4·9	16	3·6	16	4·5
22	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	18	3·6	18	4·5	20	4·5	21	4·0	21	4·0	22	4·0
23	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	1·8	28	1·8	26	2·2	27	2·2	25	3·1
24	—	0·9	—	0·9	11	3·1	11	3·6	11	3·1	12	3·1	13	3·6	14	3·1	16	3·1	16	4·5	17	5·4	18	5·4
25	18	6·3	19	6·3	20	5·4	24	4·5	24	3·1	24	3·1	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9
26	—	0·9	—	0·0	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	10	1·8	10	1·8	11	1·8	11	3·1	11	4·5
27	14	3·6	14	3·1	14	3·1	14	3·1	14	3·1	14	2·2	14	3·1	14	3·1	14	3·1	14	3·6	15	4·5	15	4·5
28	15	4·5	15	4·9	17	4·0	22	3·6	25	3·1	25	5·4	25	4·9	26	5·4	27	6·3	27	5·4	27	6·7	27	6·7
29	5	4·5	5	4·0	5	2·2	—	0·9	—	0·5	—	0·0	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	1·3
30	6	4·9	8	4·5	9	4·9	10	6·7	10	5·4	10	2·2	17	2·7	18	4·0	18	4·5	18	5·4	19	4·5	19	4·5
31	11	1·8	11	2·7	12	2·7	12	3·6	12	3·1	12	4·5	12	4·5	12	4·9	12	5·4	12	5·8	13	6·3	13	7·6
Mean ...	—	2·5	—	2·5	—	2·8	—	2·7	—	2·4	—	2·4	—	2·7	—	3·2	—	3·2	—	3·5	—	4·0	—	4·6
Normals 1881–1910.	—	3·7	—	3·7	—	3·7	—	3·7	—	3·6	—	3·7	—	3·9	—	4·3	—	4·7	—	4·9	—	5·1	—	5·5

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.
1	26	7·6	28	8·1	27	8·1	28	8·1	27	6·7	28	8·1	28	7·2	29	5·8	28	5·4	27	5·4	27	5·8	26	4·9	6·0
2	28	7·2	27	8·1	27	7·6	28	7·6	28	7·6	28	6·7	28	5·8	28	5·4	28	4·5	28	3·6	28	3·6	28	3·1	6·2
3	20	4·9	20	5·4	20	4·9	20	5·4	20	4·5	20	4·5	21	4·9	18	3·6	18	3·1	17	3·1	17	2·2	18	3·6	3·6
4	19	4·5	19	5·4	19	4·5	19	4·5	19	4·5	19	4·0	20	3·1	20	2·7	20	2·7	20	2·7	20	1·8	—	1·3	3·6
5	18	3·6	18	3·6	18	3·1	18	3·1	17	4·0	17	3·1	17	1·8	17	1·8	17	2·2	16	3·1	16	2·2	16	1·8	2·2
6	22	3·6	22	4·5	22	5·8	22	4·5	23	2·2	23	2·2	23	1·8	23	2·2	—	1·3	—	0·0	—	0·5	—	0·9	2·4
7	26	3·1	26	1·8	26	2·2	26	1·8	26	2·2	26	2·2	26	1·8	—	0·9	—	0·9	—	0·0	—	0·9	—	1·3	1·5
8	26	2·7	26	2·7	26	1·8	26	2·7	26	2·7	31	3·1	3	3·6	5	4·0	5	4·9	12	1·8	—	0·0	—	0·0	1·7
9	19	3·1	19	3·1	20	2·7	20	3·1	20	1·8	—	1·3	—	0·9	—	0·9	—	0·0	—	0·5	—	0·9	—	0·5	1·5
10	11	4·9	11	4·9	14	5·8	13	5·8	11	4·9	11	5·4	12	5·4	12	3·1	—	0·9	—	1·3	12	1·8	11	3·1	2·7
11	12	1·8	24	1·8	20	2·2	20	2·2	24	1·8	25	1·8	25	1·8	—	0·9	—	0·0	—	0·0	—	0·9	—	1·3	1·3
12	32	2·2	30	4·5	30	2·2	27	1·8	—	0·9	—	1·3	—	0·0	—	0·0	—	0·0	—	0·5	—	0·5	—	0·5	1·3
13	4	4·9	4	5·4	3	6·7	3	6·3	3	3·6	—	0·9	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	1·6
14	29	7·2	29	7·6	28	8·1	28	8·1	28	6·7	28	6·7	28	4·9	28	3·6	—	0·9	—	0·9	—	0·9	—	0·9	3·4
15	32	3·6	30	5·4	30	5·8	30	6·3	30	9·4	30	9·4	30	8·1	30	4·5	—	0·5	—	0·5	—	0·9	—	0·5	3·8
16	28	7·6	28	6·7	27	5·8	27	5·8	27	5·4	27	4·9	27	4·9	27	3·1	27	4·0	27	4·0	27	4·5	27	4·0	3·7
17	20	7·6	20	6·7	20	6·7	20	6·3	20	6·3	20	6·7	20	5·4	20	5·8	23	5·4	23	6·3	23	5·4	23	4·9	4·7
18	23	7·6	23	6·7	23	6·7	23	6·7	23	6·7	23	6·7	22	5·4	22	4·5	22	3·1	22	2·2	22	2·2	21	1·8	5·9
19	16	4·0	16	3·1	16	3·6	16	3·1	16	3·1	15	4·0	15	2·7	14	5·8	14	4·0	14	3·1	14	4·5	14	5·4	3·1
20	13	6·7	13	6·7	13	7·2	13	7·2	13	8·1	14	7·6	14	7·2	14	6·7	14	8·1	14	8·1	14	8·1	14	8·1	6·9
21	20	4·5	20	4·5	20	4·0	20	1·8	20	3·1	20	3·1	20	3·1	20	1·8	—	1·3	18	2·2	18	1·8	—	1·3	4·8
22	22	4·0	22	3·6	24	3·1	26	3·1	26	3·1	26	4·5	26	3·1	—	1·3	26	1·8	—	0·0	—	0·9	—	0·0	2·4
23	25	3·1	25	4·5	25	4·5	24	4·5	24	3·6	24	3·1	24	2·7	—	0·9	—	0·0	—	0·9	—	1·3	—	0·9	1·7
24	18	4·9	17	4·5	17	5·4	17	4·5	17	4·9	16	4·9	17	4·9	17	4·5	18	3·1	18	3·1	18	3·1	18	3·6	3·8
25	25	1·8	—	0·9	16	1·8	—	0·9	9	2·2	9	1·8	9	1·8	8	1·8	6	1·8	—	0·9	—	0 5	—	0·0	2·1
26	11	5·4	13	6·7	13	6·7	13	7·2	14	6·7	14	6·7	14	6·3	14	5·4	14	4·9	14	4·9	14	4·9	14	4·9	3·7
27	15	4·9	15	5·4	15	5·4	14	4·5	14	6·3	14	6·7	14	5·8	14	5·4	14	5·4	14	5·4	14	5·4	15	4·9	4·4
28	28	5·4	29	4·5	29	5·4	30	5·8	30	4·5	1	5·8	1	4·9	1	2·2	2	4·0	3	3·6	5	4·9	5	5·8	4·9
29	—	0·9	—	0·9	4	3·1	2	4·0	6	4·0	—	0·9	2	2·7	6	2·2	6	4·5	8	3·1	8	3·6	7	4·5	2·2
30	19	4·9	17	3·6	17	3·6	16	3·1	16	3·1	17	3·1	16	2·7	16	2·2	14	2·7	11	1·8	11	3·1	11	3·6	3·8
31	14	8·5	13	10·3	12	10·3	12	9·8	12	9·4	13	9·4	12	10·3	12	8·5	12	7·2	12	5·4	12	4·5	12	3·6	6·3
Mean	—	4·7	—	4·9	—	5·0	—	4·8	—	4·6	—	4·5	—	4·0	—	3·3	—	2·9	—	2·5	—	2·6	—	2·6	3·5
Normals 1881–1910.	—	5·7	—	5·8	—	5·8	—	5·6	—	5·5	—	5·3	—	4·9	—	4·3	—	4·0	—	3·8	—	3·7	—	3·8	4·5

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. JULY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	0·51	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
2	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25	—	—	—	0·25	—	0·25	—	1·00
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	1·27	4·82	12·44	9·65	8·63	7·36	2·03	—	—	—	1·27	0·25	—	—	—	—	—	—	—	—	—	—	47·72
21	—	—	0·51	1·02	0·76	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·80
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	0·51	0·25	—	—	—	0·25	—	—	—	—	—	—	0·25	0·51	—	0·76	—	—	—	0·25	2·78
25	0·25	0·25	—	—	—	0·25	—	—	—	—	—	—	—	—	—	1·02	0·25	0·51	3·81	2·54	—	—	—	—	8·88
26	—	—	—	—	—	—	—	—	—	—	0·25	0·25	2·79	—	—	—	0·51	4·82	4·32	—	0·25	—	—	—	13·19
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
29	—	—	—	—	—	—	—	—	—	2·79	1·27	—	—	—	—	—	—	—	—	—	—	0·51	—	—	4·57
30	—	—	—	0·25	1·02	0·76	0·76	0·76	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·76	2·79	7·60
31	1·27	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·51	5·08	5·84	5·08	0·51	—	—	—	—	18·54
Sum ...	2·03	0·25	2·54	6·59	14·73	11·42	9·39	8·12	2·28	3·29	1·52	0·25	4·06	0·25	0·25	1·53	6·34	11·68	13·21	4·06	0·50	0·51	1·01	3·04	108·85
Normals 1871-1910.	4·42	4·62	4·90	4·83	4·62	5·00	5·05	5·16	5·00	3·89	3·28	3·63	3·23	3·58	3·25	3·73	3·83	3·86	3·81	3·89	3·76	3·81	4·04	4·39	99·58

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JULY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	·2	·4	·8	·2	—	—	—	·1	·8	1·0	·4	·2	·4	·3	·2	—	5·0	Fair.
2	—	·2	1·0	1·0	·7	·8	·4	·9	·6	1·0	1·0	·6	1·0	1·0	·8	·8	—	11·8	Fair to fine.
3	—	—	—	—	—	—	—	·1	·5	·5	·1	—	—	—	—	·2	—	1·4	Dull; improving after mid-day.
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Very dull.
5	—	—	—	—	—	·3	·8	·1	·3	·6	1·0	1·0	1·0	1·0	·9	1·0	·1	8·1	Fair to fine.
6	·3	·2	·1	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	·4	1·0	·8	—	11·1	Fine.
7	—	—	—	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	12·7	Heavy mist early; bright later.
8	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	15·9	Fine.
9	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	15·7	Fine.
10	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	15·4	∞ ; fine.
11	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	15·0	∞ ; fine.
12	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	15·2	∞ ; fine.
13	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	—	14·2	∞ ; fine and warm.
14	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	15·5	∞ ; fine.
15	·3	1·0	1·0	1·0	·7	—	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	13·3	Dull to fine.
16	·2	·3	·3	—	—	—	·5	·5	·6	·8	·1	·8	·5	·3	·1	—	—	5·0	Hazy, but fair.
17	—	—	—	·2	·2	1·0	·9	1·0	1·0	·5	·4	·6	·5	—	—	—	—	6·3	∞ during day ; ≋° at night.
18	—	—	—	—	—	—	·1	·2	·1	·5	·2	·2	·5	·5	—	—	—	2·3	A.M. dull ; P.M. fair.
19	—	—	—	—	·4	·3	—	·1	—	—	—	—	—	—	—	—	—	0·8	Hazy day ; becoming misty and showery after 15h.
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty ; ●² 3h.-9h.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	● showers early, then misty to fair.
22	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·1	·2	—	—	—	10·3	Fair.
23	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	14·3	Fine.
24	—	—	—	—	—	—	·6	1·0	·9	·2	—	—	—	—	—	—	—	2·7	Misty and showery, with fair interval 10h.-12h.
25	—	—	·3	1·0	1·0	·7	·2	·6	—	—	—	—	—	—	—	—	—	3·8	Fair to showery ; ꓘ 19h.-20h.
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull day with ●² showers.
27	—	—	—	·6	·5	·2	·6	·2	·1	—	—	—	—	—	—	—	—	2·2	≋° ; cloudy to overcast.
28	—	—	—	—	—	—	—	—	—	—	·1	·2	·1	—	—	—	—	0·4	Dull, but improving a little P.M.
29	—	—	·7	·4	·7	·6	·4	—	—	—	·4	·5	—	—	—	—	—	3·7	Fine and clear early ; T and ●² showers later ; < during night.
30	—	—	—	—	—	—	—	·2	·6	—	—	—	—	·1	·2	·2	—	1·3	Heavy mist ; overcast to fair ; ● at night.
31	—	·1	·7	·4	·4	·9	·7	1·0	·9	·9	·2	·2	—	—	—	—	—	6·4	Very clear at first ; gloomy later with ●² 17h.-19h.
	2·2	9·3	13·5	15·0	15·7	15·8	16·2	17·9	17·7	17·8	16·5	16·0	13·9	13·9	13·3	12·6	2·5	229·8	Total.
	0·12	3·19	6·86	8·33	9·59	10·98	11·99	12·42	13·16	13·05	13·46	13·41	12·65	11·95	9·53	5·76	0·50	156·93	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE IN DEGREES ABSOLUTE.—DRY-BULB. JULY, 1911.

First figure (2 or 3) omitted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	85°·0	85°·0	84°·5	85°·1	84°·9	85°·1	85°·4	85°·6	86°·5	85°·6	86°·2	86°·7	87°·0	87°·4	86°·7	87°·8	86°·5	86°·4	86°·4	85°·7	85°·7	84°·9	84°·8	84°·8	84°·6	85°·8
2	84·6	84·6	84·4	84·3	84·2	84·3	84·2	85·3	85·6	85·6	86·0	86·1	86·4	86·3	87·1	86·9	86·8	88·0	87·2	86·1	85·9	85·4	84·8	85·1	84·6	85·6
3	84·6	84·8	84·4	83·7	84·5	84·8	85·2	85·7	86·6	87·0	87·2	88·0	88·7	89·1	89·9	89·1	88·8	88·4	87·9	87·4	87·3	86·2	85·8	85·5	86·2	86·7
4	86·2	86·5	86·5	86·7	86·5	86·5	86·5	86·8	87·1	87·8	87·9	88·5	89·0	89·9	90·2	90·3	89·2	88·7	89·0	88·5	88·1	87·6	87·3	87·2	87·0	87·9
5	87·0	86·8	86·7	86·7	86·7	86·6	86·6	87·0	87·6	88·5	89·6	91·1	90·4	91·3	91·5	91·8	92·3	92·3	90·7	90·3	88·7	87·4	86·7	86·4	86·2	88·8
6	86·2	85·6	85·6	85·3	85·3	84·1	84·8	85·9	87·9	90·0	90·6	91·8	91·6	91·4	91·2	91·1	90·9	89·8	90·5	90·6	88·7	87·0	85·9	86·3	86·0	88·3
7	86·0	85·5	85·0	85·1	84·6	84·2	84·3	84·8	86·0	87·3	88·3	89·1	90·1	90·9	90·5	91·3	92·3	93·7	91·8	91·3	90·3	88·9	87·5	86·7	86·4	88·2
8	86·4	85·7	85·6	85·2	85·0	85·0	86·8	89·6	90·6	92·2	93·5	95·3	96·2	96·1	95·7	95·3	96·5	97·5	97·4	97·3	95·4	94·5	92·6	91·2	90·4	92·0
9	90·4	89·8	88·1	87·8	87·1	87·7	88·4	90·4	92·9	94·0	95·7	97·0	97·3	97·1	95·4	95·7	97·2	97·4	95·4	95·0	93·2	91·7	90·5	89·9	89·2	92·7
10	89·2	88·8	88·3	89·6	89·0	88·5	89·3	91·2	92·9	95·0	95·6	95·9	96·1	96·4	96·5	96·8	96·7	96·7	95·7	94·6	93·2	91·1	90·2	88·9	89·9	92·8
11	89·9	88·5	87·2	85·7	84·9	84·5	85·0	86·8	89·9	92·8	94·1	95·2	95·4	96·2	95·7	96·8	96·8	96·9	94·8	92·9	91·3	89·6	88·8	87·8	86·5	91·1
12	86·5	85·3	84·2	83·7	83·6	82·9	83·9	86·3	89·6	91·2	93·5	95·9	97·0	97·5	96·5	96·7	97·3	98·6	96·7	95·1	93·1	91·4	90·3	89·8	89·0	91·2
13	89·0	88·5	88·8	88·5	89·3	88·9	89·0	90·6	91·3	94·1	96·5	98·9	99·6	99·8	99·8	99·0	99·5	00·2	99·3	97·4	95·4	92·5	91·5	90·2	89·9	94·1
14	89·9	88·7	88·2	87·7	87·4	86·8	88·8	90·7	91·1	91·7	92·4	92·2	92·9	93·1	92·6	93·2	92·7	93·7	92·1	91·4	91·0	91·1	88·8	88·6	88·9	90·7
15	88·9	90·3	90·2	90·3	90·7	90·1	90·2	91·7	91·5	91·2	90·9	91·2	92·0	92·5	92·0	92·1	91·4	91·3	90·6	90·1	89·8	88·7	87·5	87·7	86·5	90·5
16	86·5	86·4	86·1	86·5	85·7	85·1	86·9	87·6	88·2	89·0	89·2	89·6	89·5	89·6	90·0	90·0	90·3	89·8	89·5	89·0	88·5	88·5	88·2	88·1	87·8	88·3
17	87·8	87·5	87·6	87·6	87·4	87·4	87·5	87·6	88·5	89·9	91·3	92·5	93·7	93·4	92·3	92·5	92·3	91·3	90·0	89·8	88·8	88·4	88·3	88·5	88·2	89·7
18	88·2	88·1	88·1	88·2	88·1	87·9	88·2	88·2	88·8	88·7	88·5	89·0	89·8	90·0	90·4	90·4	90·3	91·0	90·4	88·7	88·4	87·8	87·1	87·3	87·4	88·8
19	87·4	86·5	86·7	87·0	87·1	87·3	87·8	88·3	89·0	90·1	91·0	92·0	92·6	93·0	91·7	91·1	90·9	90·9	90·6	91·0	90·6	90·2	89·9	89·6	89·9	89·7
20	89·9	90·0	90·0	90·1	89·6	89·5	88·7	88·7	88·8	89·4	89·6	90·1	90·1	90·3	90·4	90·9	91·0	91·2	90·7	90·6	90·4	90·4	90·6	90·3	90·4	90·1
21	90·4	90·2	90·3	90·3	90·3	90·3	90·3	90·4	90·6	91·3	90·2	91·1	91·0	89·9	90·1	89·9	89·8	90·1	89·9	89·6	88·7	88·1	87·5	87·2	86·8	89·8
22	86·8	86·7	86·4	86·3	86·1	86·0	86·4	88·5	89·3	89·6	90·1	90·2	91·0	90·9	90·6	89·6	89·5	90·1	89·6	88·4	88·1	87·5	86·8	87·0	86·6	88·4
23	86·6	86·5	86·5	86·1	86·2	86·0	85·0	87·3	87·8	88·2	88·5	89·1	89·9	90·4	90·4	90·7	91·0	91·5	90·3	89·9	88·8	86·9	86·3	84·9	84·9	88·1
24	84·9	84·8	85·3	87·1	87·5	87·8	87·9	88·5	88·8	89·6	89·7	90·5	91·5	92·4	91·5	91·1	90·3	90·5	90·1	89·7	89·3	89·0	88·7	88·2	87·8	89·0
25	87·8	87·5	87·5	87·2	87·0	86·7	86·1	86·4	87·4	87·9	89·2	89·9	90·4	88·7	89·0	88·7	88·0	87·9	87·6	87·5	87·3	86·9	87·0	87·3	87·2	87·8
26	87·2	87·3	86·8	86·2	86·0	85·9	86·1	86·8	88·8	90·1	90·1	90·3	89·9	89·9	91·0	91·8	90·9	90·6	89·9	89·8	89·8	89·6	89·1	89·1	89·1	88·9
27	89·1	89·1	89·1	89·0	89·0	88·5	88·8	89·5	90·3	91·0	91·3	92·4	91·5	92·3	91·5	91·4	91·1	91·2	90·6	90·4	90·1	90·2	90·1	90·2	90·0	90·3
28	90·0	89·6	89·5	89·1	87·9	87·6	87·5	87·0	87·2	87·5	88·0	88·3	88·5	89·1	89·0	89·6	89·8	90·0	88·8	88·5	88·1	87·9	87·6	87·5	87·2	88·4
29	87·2	87·4	88·3	88·4	87·4	86·4	86·7	88·1	89·8	90·7	91·8	91·5	91·3	92·5	92·5	94·6	94·5	94·3	94·3	93·1	92·8	92·4	91·2	90·7	90·7	90·8
30	90·7	90·9	90·3	90·3	90·3	90·1	89·7	89·2	88·9	89·0	88·8	88·7	90·1	90·7	90·2	89·9	89·8	90·4	90·6	90·4	89·9	89·1	89·1	89·3	89·3	89·8
31	89·3	89·0	88·8	88·4	87·5	87·8	88·1	88·8	90·2	90·4	91·5	92·2	92·8	92·4	92·4	92·3	91·2	90·7	90·0	90·2	88·9	89·1	89·0	88·6	88·8	90·0
Mean ...	87·7	87·5	87·3	87·2	87·0	86·8	87·1	88·0	89·0	89·9	90·5	91·3	91·7	92·0	91·8	91·9	91·8	92·0	91·2	90·7	89·9	89·0	88·4	88·1	87·9	89·5
Normals 1871–1910.	86·7	86·5	86·4	86·3	86·2	86·2	86·4	87·1	87·6	88·3	88·8	89·2	89·4	89·7	89·8	89·9	89·8	89·6	89·1	88·7	88·0	87·4	87·1	86·9	86·7	88·0

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JULY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	91	94	96	95	95	91	90	82	81	82	76	70	71	69	73	71	70	70	67	70	71	78	77	77	77	79·2
2	77	76	75	78	78	75	80	71	69	71	69	70	68	72	66	65	66	62	67	71	68	72	73	74	74	71·3
3	74	76	78	82	78	81	83	86	84	82	81	79	76	75	72	76	78	76	80	80	81	88	91	93	93	80·8
4	93	91	92	93	96	96	96	93	91	88	90	87	84	79	80	80	84	86	88	90	91	90	92	93	96	89·4
5	96	97	96	95	95	95	96	96	93	88	83	73	78	75	75	72	69	66	73	75	82	88	92	90	93	84·9
6	93	95	93	93	91	95	92	91	87	80	79	71	77	79	79	79	79	80	79	79	82	89	91	94	95	85·3
7	95	94	97	96	98	98	98	96	96	89	91	86	86	83	84	83	79	70	78	82	84	88	90	94	92	88·9
8	92	95	94	93	93	93	93	84	83	78	68	64	64	66	62	58	68	61	52	58	66	69	78	80	83	75·3
9	83	88	93	93	93	89	91	84	77	74	73	69	68	67	75	74	66	64	73	77	81	86	89	93	94	80·2
10	94	94	93	82	88	91	90	85	78	70	66	64	65	62	61	61	60	57	59	53	52	59	54	48	51	69·3
11	51	61	70	76	82	81	87	82	69	61	55	53	52	51	64	59	56	54	63	68	72	81	84	83	86	68·0
12	86	88	91	89	90	88	89	84	74	69	69	51	47	46	56	55	58	56	62	68	73	77	77	80	87	71·8
13	87	85	84	85	76	81	82	78	80	69	57	41	41	42	46	43	40	41	47	52	60	67	67	70	70	63·0
14	70	74	82	81	80	87	87	80	79	79	76	78	72	77	79	75	75	73	76	81	80	77	85	81	81	78·7
15	81	74	66	76	77	82	88	80	80	83	82	83	78	72	77	71	76	75	75	75	71	79	81	78	84	77·6
16	84	84	83	83	85	88	95	90	90	87	91	81	79	82	78	77	76	75	75	78	85	84	82	76	77	82·7
17	77	79	81	81	81	82	84	85	83	81	80	74	67	71	77	79	78	80	86	88	93	90	93	90	87	81·8
18	87	92	85	73	83	78	78	82	77	79	78	78	74	74	74	72	75	68	71	80	84	82	81	86	82	78·7
19	82	88	93	90	90	91	90	91	93	87	79	80	77	77	87	90	94	94	94	87	89	93	96	98	96	89·0
20	96	93	94	93	96	97	97	95	97	98	99	97	97	97	97	97	96	93	96	95	96	97	97	98	97	96·2
21	97	99	98	98	98	98	98	97	98	96	96	91	90	90	89	85	86	84	84	85	89	92	91	91	94	92·4
22	94	95	94	94	94	93	92	83	81	72	71	67	70	68	67	67	68	66	71	76	77	81	88	84	89	79·6
23	89	89	89	90	88	90	89	88	80	78	73	77	72	72	72	71	70	66	71	74	81	88	91	90	92	80·8
24	92	93	94	94	91	93	96	96	97	96	95	93	82	76	79	81	89	89	92	93	95	95	95	96	95	91·4
25	95	93	96	93	93	91	95	90	81	77	78	73	70	75	82	81	87	86	90	91	95	93	93	94	93	87·1
26	93	95	98	95	96	97	96	95	90	84	82	82	85	90	93	87	90	90	96	97	97	99	96	94	94	92·4
27	94	95	94	95	96	96	97	96	93	91	92	84	88	84	88	87	88	87	84	85	90	91	92	93	94	90·8
28	94	95	95	95	94	89	89	91	83	82	76	73	70	72	70	64	61	61	64	69	75	74	75	73	72	78·0
29	72	76	77	78	86	88	91	90	85	83	78	88	90	85	86	81	78	79	76	84	84	76	84	82	83	82·6
30	83	79	83	85	85	86	90	94	97	95	96	96	88	82	84	88	89	85	79	85	87	92	88	88	90	87·8
31	90	93	98	97	96	92	92	92	87	86	83	82	79	77	78	77	87	87	94	91	96	96	94	92	94	89·1
Mean ...	86·5	87·7	88·8	88·4	89·1	89·4	90·7	88·0	84·9	81·8	79·4	76·0	74·4	73·8	75·8	74·4	75·4	73·6	76·2	78·6	81·5	84·2	85·7	85·6	86·6	82·1
Normals 1886–1910.	88·2	88·4	88·7	89·1	89·2	89·7	89·0	87·6	85·4	83·0	81·0	79·3	78·6	77·8	77·4	77·0	77·1	76·9	79·0	81·2	83·8	86·0	87·1	87·8	88·3	83·7

[Price Sixpence.]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** JULY, 1911.

Heights above Mean Sea Level : Station, H=5·6m. Barometer, H_b=10·4m.

Heights above Ground : Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows;—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE* AND TEMPERATURE†. JULY, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0078	**·0040**	91·9	86·1	9	·0329	·0282	95·2	85·8	17	·0145	·0066	97·5	85·9	25	·0145	·0101	301·3	90·1
2	·0201	·0076	91·2	83·7	10	·0339	·0315	94·8	83·1	18	·0120	·0054	95·5	87·6	26	·0141	·0096	98·6	88·5
3	·0302	·0201	92·5	**82·4**	11	**·0341**	·0310	98·7	84·1	19	·0214	·0120	96·4	85·7	27	·0159	·0140	301·2	87·4
4	·0315	·0292	94·2	83·5	12	·0326	·0294	99·3	86·1	20	·0230	·0212	300·7	87·6	28	·0163	·0137	302·9	89·6
5	·0303	·0264	99·5	87·6	13	·0306	·0271	99·0	85·8	21	·0234	·0220	303·8	87·4	29	·0160	·0085	304·0	90·9
6	·0271	·0220	301·4	87·2	14	·0285	·0243	300·5	86·3	22	·0231	·0202	**304·3**	87·8	30	·0163	·0099	98·0	89·3
7	·0248	·0227	301·3	88·5	15	·0243	·0228	92·4	84·6	23	·0228	·0198	98·8	89·5	31	·0162	·0149	300·3	86·4
8	·0282	·0236	302·5	88·1	16	·0228	·0139	97·2	83·2	24	·0216	·0145	300·7	89·0	Mean.	—	—	98·6	86·7

TABLE II.

KEW. PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted. JULY, 1911.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0057	·0049	·0043	·0045	·0042	·0042	·0047	·0044	·0047	·0045	·0048	·0047	·0053	·0056	·0057	·0058	·0064	·0064	·0065	·0066	·0070	·0075	·0076	·0076	·0076	·0056
2	·0076	·0078	·0079	·0081	·0083	·0087	·0093	·0098	·0106	·0111	·0116	·0123	·0129	·0133	·0143	·0145	·0153	·0158	·0167	·0174	·0180	·0188	·0193	·0196	·0201	·0131
3	·0201	·0206	·0209	·0214	·0222	·0228	·0236	·0243	·0251	·0254	·0261	·0266	·0268	·0271	·0275	·0279	·0280	·0280	·0282	·0284	·0290	·0294	·0297	·0298	·0302	·0260
4	·0302	·0302	·0301	·0303	·0305	·0307	·0309	·0311	·0313	·0314	·0313	·0311	·0309	·0305	·0305	·0305	·0300	·0294	·0293	·0293	·0297	·0299	·0303	·0303	·0303	·0304
5	·0303	·0302	·0299	·0299	·0298	·0299	·0302	·0303	·0303	·0301	·0298	·0297	·0292	·0286	·0283	·0280	·0273	·0267	·0265	·0265	·0267	·0271	·0272	·0272	·0271	·0287
6	·0271	·0267	·0263	·0260	·0262	·0262	·0261	·0260	·0260	·0258	·0254	·0250	·0243	·0240	·0236	·0229	·0224	·0223	·0220	·0220	·0225	·0229	·0231	·0231	·0231	·0244
7	·0231	·0229	·0228	·0230	·0233	·0233	·0236	·0238	·0240	·0240	·0240	·0239	·0236	·0234	·0235	·0231	·0229	·0229	·0235	·0238	·0242	·0247	·0247	·0248	·0248	·0237
8	·0248	·0247	·0247	·0247	·0247	·0248	·0251	·0254	·0255	·0254	·0251	·0248	·0246	·0242	·0240	·0237	·0236	·0238	·0239	·0241	·0246	·0261	·0271	·0277	·0282	·0250
9	·0282	·0282	·0284	·0288	·0290	·0293	·0296	·0300	·0302	·0304	·0304	·0304	·0305	·0303	·0301	·0299	·0298	·0294	·0297	·0303	·0310	·0318	·0321	·0328	·0329	·0301
10	·0329	·0328	·0327	·0327	·0330	·0332	·0333	·0334	·0338	·0339	·0337	·0336	·0335	·0328	·0323	·0321	·0316	·0316	·0317	·0318	·0320	·0325	·0328	·0330	·0332	·0328
11	·0332	·0333	·0333	·0333	·0336	·0339	·0340	·0341	·0338	·0335	·0333	·0329	·0327	·0321	·0317	·0316	·0311	·0310	·0311	·0311	·0314	·0321	·0324	·0326	·0326	·0326
12	·0326	·0325	·0323	·0321	·0321	·0320	·0321	·0320	·0320	·0315	·0312	·0311	·0308	·0304	·0302	·0298	·0295	·0296	·0296	·0299	·0299	·0302	·0305	·0305	·0306	·0310
13	·0306	·0303	·0302	·0302	·0302	·0303	·0302	·0301	·0298	·0292	·0291	·0289	·0287	·0281	·0280	·0275	·0274	·0271	·0271	·0272	·0274	·0280	·0281	·0283	·0282	·0288
14	·0282	·0284	·0283	·0282	·0283	·0283	·0284	·0283	·0281	·0278	·0275	·0274	·0272	·0265	·0263	·0257	·0250	·0245	·0244	·0244	·0245	·0245	·0244	·0244	·0243	·0265
15	·0243	·0242	·0237	·0234	·0229	·0231	·0233	·0232	·0229	·0230	·0237	·0236	·0237	·0241	·0241	·0239	·0236	·0236	·0233	·0233	·0234	·0233	·0231	·0230	·0228	·0235
16	·0228	·0226	·0220	·0213	·0209	·0203	·0200	·0194	·0188	·0181	·0168	·0167	·0160	·0153	·0149	·0141	·0139	·0139	·0139	·0145	·0149	·0153	·0152	·0148	·0145	·0172
17	·0145	·0143	·0143	·0142	·0139	·0137	·0134	·0131	·0130	·0126	·0125	·0118	·0106	·0103	·0095	·0091	·0084	·0075	·0073	·0070	·0071	·0073	·0072	·0067	·0066	·0106
18	·0066	·0062	·0059	·0058	·0055	·0054	·0059	·0062	·0065	·0065	·0066	·0071	·0076	·0075	·0077	·0079	·0080	·0083	·0088	·0092	·0098	·0106	·0113	·0116	·0120	·0077
19	·0120	·0122	·0125	·0127	·0132	·0139	·0145	·0148	·0153	·0157	·0164	·0165	·0168	·0168	·0170	·0174	·0177	·0180	·0181	·0185	·0194	·0201	·0205	·0208	·0214	·0165
20	·0214	·0215	·0219	·0219	·0222	·0225	·0224	·0223	·0227	·0226	·0225	·0225	·0225	·0221	·0219	·0220	·0219	·0218	·0219	·0222	·0226	·0227	·0228	·0228	·0228	·0223
21	·0228	·0228	·0228	·0228	·0227	·0227	·0227	·0229	·0232	·0233	·0232	·0228	·0225	·0223	·0223	·0221	·0222	·0222	·0223	·0225	·0226	·0230	·0230	·0230	·0230	·0227
22	·0230	·0230	·0231	·0230	·0229	·0230	·0230	·0228	·0228	·0226	·0221	·0219	·0216	·0213	·0210	·0207	·0204	·0203	·0207	·0210	·0217	·0224	·0226	·0226	·0227	·0221
23	·0227	·0228	·0228	·0228	·0227	·0226	·0226	·0225	·0224	·0224	·0223	·0220	·0216	·0211	·0207	·0203	·0203	·0199	·0199	·0203	·0210	·0215	·0217	·0218	·0216	·0217
24	·0216	·0211	·0210	·0210	·0210	·0210	·0211	·0209	·0207	·0203	·0200	·0194	·0183	·0178	·0171	·0167	·0162	·0155	·0153	·0151	·0155	·0152	·0150	·0150	·0145	·0183
25	·0145	·0141	·0138	·0132	·0130	·0128	·0128	·0125	·0125	·0122	·0121	·0119	·0116	·0113	·0109	·0105	·0105	·0102	·0102	·0102	·0108	·0109	·0117	·0116	·0111	·0118
26	·0111	·0105	·0100	·0098	·0099	·0100	·0102	·0106	·0108	·0105	·0105	·0102	·0108	·0110	·0109	·0108	·0108	·0107	·0111	·0116	·0121	·0130	·0136	·0140	·0141	·0111
27	·0141	·0141	·0141	·0144	·0147	·0146	·0148	·0148	·0148	·0145	·0145	·0142	·0144	·0143	·0144	·0144	·0146	·0145	·0144	·0146	·0148	·0152	·0152	·0155	·0159	·0146
28	·0159	·0154	·0154	·0152	·0152	·0152	·0154	·0155	·0156	·0157	·0154	·0154	·0151	·0148	·0146	·0145	·0141	·0140	·0143	·0146	·0149	·0161	·0159	·0157	·0157	·0152
29	·0157	·0155	·0160	·0157	·0153	·0149	·0148	·0148	·0148	·0146	·0142	·0136	·0129	·0123	·0104	·0100	·0094	·0092	·0091	·0088	·0121	·0097	·0091	·0098	·0100	·0125
30	·0100	·0102	·0110	·0117	·0119	·0122	·0123	·0124	·0130	·0131	·0133	·0135	·0138	·0141	·0143	·0141	·0145	·0146	·0146	·0151	·0158	·0162	·0163	·0158	·0160	·0136
31	·0160	·0155	·0154	·0159	·0161	·0161	·0160	·0160	·0159	·0155	·0154	·0158	·0156	·0152	·0152	·0150	·0150	·0149	·0149	·0151	·0154	·0157	·0158	·0157	·0155	·0155
Mean...	1·0 2076	1·0 2063	1·0 2057	1·0 2058	1·0 2063	1·0 2070	1·0 2085	1·0 2089	1·0 2100	1·0 2088	1·0 2080	1·0 2069	1·0 2053	1·0 2027	1·0 2009	1·0 1989	1·0 1974	1·0 1960	1·0 1969	1·0 1988	1·0 2038	1·0 2076	1·0 2095	1·0 2103	1·0 2108	1·0 2050
Normals 1871–1910.	1·0 1450	1·0 1436	1·0 1423	1·0 1409	1·0 1413	1·0 1419	1·0 1436	1·0 1450	1·0 1460	1·0 1457	1·0 1450	1·0 1447	1·0 1433	1·0 1410	1·0 1402	1·0 1392	1·0 1375	1·0 1368	1·0 1372	1·0 1385	1·0 1413	1·0 1443	1·0 1460	1·0 1460	1·0 1457	1·0 1424

(21993—24.) Wt. 41466—310. 375. 12/11. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY (V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. JULY, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	20	1·8	20	2·2	23	2·2	23	2·7	23	1·8	23	2·7	21	3·1	21	3·1	20	4·0	22	4·0	25	3·6	25	2·7
2	24	1·8	24	1·8	24	1·8	—	1·3	21	1·8	21	1·8	26	4·0	27	4·5	28	4·5	27	4·9	27	4·5	27	5·8
3	20	1·8	20	1·8	—	0·9	—	0·5	20	1·8	25	2·2	27	4·0	28	4·5	29	4·5	30	3·1	28	3·6	29	3·1
4	—	1·3	—	0·9	—	0·9	—	1·3	22	2·7	22	1·8	—	0·9	22	1·8	21	3·1	23	2·2	23	3·1	20	3·6
5	20	2·2	20	1·8	—	0·9	—	1·3	—	1·3	—	0·9	—	1·3	—	0·9	—	0·9	20	1·8	—	1·3	19	1·8
6	—	1·3	—	0·9	—	0·5	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	1·3	—	1·3	—	1·3
7	—	0·9	—	0·0	—	0·0	—	0·5	—	0·5	—	0·5	3	1·8	3	1·8	3	2·2	3	1·8	2	1·8	32	2·2
8	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·0	—	0·9	—	0·9	—	0·5	—	1·3	—	1·3	—	1·3
9	5	3·1	5	3·6	3	3·6	3	3·1	4	4·5	4	4·5	5	4·5	4	4·5	3	4·5	4	4·5	3	4·5	3	5·4
10	3	3·1	3	4·5	3	2·7	1	2·7	1	3·1	2	4·9	4	6·3	3	6·7	2	5·8	2	6·3	3	6·7	3	5·8
11	4	4·5	4	3·1	4	4·0	4	4·5	2	3·1	2	4·0	2	3·1	2	2·2	2	3·6	5	4·0	2	4·9	4	4·9
12	—	1·3	1	1·8	1	1·8	1	1·8	1	1·8	1	2·7	1	3·6	2	3·1	32	4·5	1	5·4	1	5·8	2	7·2
13	1	2·2	1	1·8	1	2·7	1	1·8	1	1·8	1	4·5	1	4·0	2	4·9	3	5·4	2	5·4	2	5·8	1	5·4
14	3	3·1	1	1·8	1	1·8	—	1·3	—	1·3	—	1·3	1	3·1	1	3·1	2	4·0	1	4·9	1	3·1	32	3·1
15	—	1·3	19	1·8	—	1·3	—	0·9	—	0·9	—	1·3	26	1·8	32	4·0	32	5·8	1	6·3	3	6·7	1	5·4
16	—	0·5	—	0·9	—	1·3	1	1·8	21	1·8	21	1·8	23	3·1	26	3·6	27	4·0	25	4·9	26	5·4	25	4·5
17	—	1·3	—	0·9	30	1·8	23	1·8	23	1·8	—	0·9	23	1·8	28	3·1	25	2·2	25	2·2	21	3·1	23	4·0
18	22	3·1	21	3·1	22	3·1	22	4·5	21	3·1	21	4·0	21	3·6	23	4·5	22	4·5	24	6·3	24	6·7	24	5·4
19	22	1·8	22	1·8	22	1·8	22	3·1	22	2·7	22	1·8	22	3·1	22	3·1	23	3·6	25	3·6	21	3·1	25	4·0
20	—	0·9	—	1·3	—	0·9	—	0·0	—	1·3	17	1·8	17	3·1	18	3·1	17	4·5	18	6·3	19	5·8	17	6·7
21	—	0·5	—	0·5	—	0·9	—	0·5	—	0·0	—	0·5	—	0·5	—	0·9	18	3·1	19	5·4	18	5·4	19	6·7
22	—	0·5	—	0·5	—	0·5	—	0·0	—	0·5	—	0·5	—	0·5	—	0·9	20	1·8	20	4·0	23	2·2	21	3·6
23	1	4·0	3	4·5	4	4·0	4	3·1	4	3·1	4	4·5	3	3·1	5	4·5	2	3·6	3	4·5	5	4·5	3	3·6
24	8	3·1	8	1·8	8	1·8	8	1·8	8	1·8	8	1·8	8	3·1	9	4·0	9	4·5	12	4·5	10	4·5	8	4·0
25	—	0·9	—	1·3	—	1·3	—	1·3	17	1·8	—	0·9	17	2·2	20	2·7	22	1·8	19	1·8	19	3·1	17	4·5
26	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	21	1·8	22	2·2	23	1·8	—	0·9	20	2·7	23	2·7	16	1·8
27	18	1·8	18	1·8	18	1·8	18	1·8	—	0·9	—	1·3	—	1·3	14	3·1	14	4·5	16	5·4	17	5·4	17	6·7
28	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9
29	7	1·8	7	2·7	8	2·2	—	0·9	—	0·9	—	0·9	—	0·9	8	3·1	6	4·5	6	2·7	8	5·4	7	6·7
30	18	3·1	16	3·1	16	2·2	16	2·2	—	1·3	—	1·3	16	3·6	19	6·7	18	6·7	18	8·1	17	8·5	17	8·9
31	—	0·5	—	0·9	—	0·9	—	0·5	—	0·5	—	0·5	—	0·5	17	1·8	18	3·1	16	4·0	18	3·6	16	1·8
Mean ...	—	1·8	—	1·8	—	1·7	—	1·6	—	1·6	—	1·9	—	2·5	—	3·1	—	3·5	—	4·0	—	4·2	—	4·3
Normals, 1881–1910.	—	1·9	—	1·8	—	1·8	—	1·8	—	1·8	—	2·2	—	2·6	—	3·0	—	3·4	—	3·7	—	3·9	—	4·0

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	23	3·6	24	3·1	23	4·5	25	4·5	26	3·1	21	3·1	24	2·2	24	1·8	24	1·8	24	2·2	24	1·8	24	1·8	2·8	1
2	27	4·9	27	4·9	23	4·5	24	4·9	30	4·9	28	3·1	30	2·2	—	0·9	23	1·8	—	1·3	23	2·2	—	1·3	3·1	2
3	27	2·2	29	2·2	28	1·8	32	1·8	—	1·3	—	0·9	—	0·5	—	0·0	—	0·5	—	1·3	—	0·9	—	0·9	1·9	3
4	21	3·6	23	4·5	24	3·1	22	2·7	23	2·7	25	2·7	24	2·7	—	1·3	—	1·3	20	2·2	20	1·8	20	1·8	2·3	4
5	18	1·8	21	1·8	—	0·9	—	1·3	—	0·9	—	0·9	21	1·8	19	1·8	19	1·8	—	1·3	19	1·8	—	0·9	1·4	5
6	—	1·3	15	1·8	15	1·8	—	1·3	19	1·8	—	0·5	8	2·2	8	1·8	15	1·8	—	0·9	—	0·5	—	0·0	1·1	6
7	32	3·1	3	3·1	4	3·6	1	3·6	1	4·9	8	6·7	8	4·0	8	3·1	8	2·7	—	0·9	—	1·3	2	3·3	2·3	7
8	31	1·8	31	1·8	30	2·7	1	3·6	2	3·1	32	2·7	1	3·1	1	3·1	7	8·1	7	6·7	7	4·0	7	4·5	2·3	8
9	3	4·5	3	4·5	2	5·4	3	4·9	2	5·4	8	5·4	7	5·4	7	4·9	8	3·6	6	4·9	4	5·4	4	4·5	4·5	9
10	2	6·3	3	5·8	4	6·7	3	6·7	4	6·7	7	6·3	6	4·5	8	3·6	8	2·7	4	4·5	4	4·5	4	4·9	5·1	10
11	4	5·4	1	4·9	2	5·4	1	5·8	32	5·4	1	5·4	1	5·4	1	4·5	1	4·0	1	3·6	1	2·7	1	2·2	4·2	11
12	2	7·2	1	7·2	4	6·7	1	7·6	1	6·7	1	6·3	32	4·5	1	4·0	1	3·6	1	4·5	1	3·6	1	3·1	4·4	12
13	1	5·4	32	7·2	32	6·7	1	7·2	32	5·4	1	6·3	1	7·2	2	5·8	2	4·0	2	4·5	2	4·5	2	4·0	4·7	13
14	32	3·1	1	3·1	32	3·6	2	2·2	1	3·1	32	2·2	1	2·7	6	1·8	10	1·8	—	1·3	—	0·0	—	0·9	2·4	14
15	1	5·8	1	5·4	1	5·4	2	4·0	32	4·5	32	4·5	32	4·0	2	3·1	1	1·8	—	0·9	—	0·0	—	0·5	3·2	15
16	27	5·4	28	5·4	29	4·9	30	5·4	30	5·4	31	4·9	31	4·5	29	3·6	30	3·1	—	1·3	—	0·9	—	1·3	3·3	16
17	22	4·9	22	4·9	23	5·8	24	4·9	22	4·5	19	5·4	20	4·5	24	4·0	23	4·0	22	3·1	22	1·8	22	2·7	3·1	17
18	27	5·4	24	5·8	24	5·8	23	5·4	23	5·4	23	4·9	22	4·0	23	2·7	22	3·1	22	1·8	22	2·2	22	1·8	4·2	18
19	22	4·0	24	5·8	25	4·9	25	4·9	23	4·5	23	3·1	29	4·0	20	3·6	20	3·1	20	2·7	20	1·8	—	0·9	3·2	19
20	19	7·6	18	7·2	19	7·6	18	7·2	18	6·3	18	4·9	17	4·9	18	1·8	18	2·2	18	1·8	—	1·3	—	0·9	3·7	20
21	20	7·2	20	6·7	18	8·5	19	7·6	20	7·2	20	5·4	20	5·8	19	2·2	19	1·8	19	1·8	—	1·3	—	0·9	3·4	21
22	22	4·5	22	4·5	23	4·0	23	3·6	25	3·1	26	3·6	28	4·0	29	1·8	29	1·8	—	0·9	—	1·3	32	3·6	2·2	22
23	6	3·1	6	3·1	5	3·6	7	3·1	6	4·5	8	5·4	8	6·7	8	4·9	9	4·0	7	4·9	8	3·1	8	2·2	4·0	23
24	7	5·4	8	5·4	12	4·9	7	5·4	10	5·4	10	4·5	8	5·4	9	5·4	9	3·1	9	1·8	—	1·3	9	1·8	3·6	24
25	19	4·0	21	4·5	19	4·5	20	4·9	20	4·9	18	4·5	18	4·5	18	3·1	18	2·2	18	1·8	—	0·9	—	0·5	2·7	25
26	17	2·7	16	3·1	16	4·5	16	5·4	17	5·4	17	5·4	18	4·5	18	3·1	18	2·2	—	1·3	18	2·7	18	2·2	2·5	26
27	18	6·3	18	6·7	18	5·4	18	4·5	16	4·5	18	3·1	18	2·2	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	3·0	27
28	—	1·3	32	2·2	28	1·8	—	1·3	—	1·3	5	6·3	6	3·6	—	1·3	7	3·6	7	3·0	7	1·8	7	1·8	1·7	28
29	7	6·3	6	6·3	7	7·2	7	6·7	8	6·3	7	6·7	9	7·2	18	6·7	27	2·2	6	3·1	—	1·3	16	2·7	4·0	29
30	17	7·6	17	8·9	18	8·1	19	8·1	19	5·4	20	4·0	18	2·2	18	1·8	—	1·3	—	0·5	—	0·5	—	0·5	4·4	30
31	17	4·5	16	4·5	16	4·9	17	4·9	19	4·9	20	3·1	19	4·0	—	1·3	—	1·3	—	0·9	—	0·9	—	0·0	2·2	31
—	—	4·5	—	4·7	—	4·8	—	4·7	—	4·4	—	4·2	—	4·1	—	2·9	—	2·6	—	2·4	—	1·9	—	1·8	3·1	Normals 1881–1910
—	—	4·1	—	4·2	—	4·1	—	4·1	—	3·9	—	3·6	—	3·2	—	2·7	—	2·4	—	2·2	—	2·1	—	2·0	2·9	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second,

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. JULY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	?	?	?	?	?	1·52	—	—	—	—	—	—	—	—	—	—	—	—	—	15·74
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	1·78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	—	—	2·54
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	2·03	0·25	0·25	—	—	2·78
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	—	—	1·78	—	—	—	—	—	—	—	1·52	—	—	—	—	—	—	—	0·25	2·03	0·25	1·01	—	—	21·06
Normals 1871–1910.	2·08	2·29	2·21	1·98	1·96	1·88	2·34	1·78	1·47	2·01	2·57	2·84	4·22	3·33	3·94	3·71	2·59	2·79	2·77	3·00	2·08	2·51	2·31	2·31	60·97

25 days

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JULY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	·1	·2	·4	—	—	—	—	·4	·3	·6	·5	·3	·2	·7	·2	—	3·9	Cloudy, with bright intervals.
2	—	—	·2	·8	·9	·6	·8	·9	1·0	·9	·9	·8	·9	·5	·9	·9	·3	11·3	Fine; clear atmosphere.
3	—	·4	·9	1·0	1·0	1·0	1·0	·9	·9	·9	·9	·9	·8	·3	·4	—	—	11·3	Fine throughout; ⊕ about 17h.
4	—	·8	1·0	1·0	1·0	1·0	·2	·2	·6	·1	—	—	—	—	—	—	—	5·9	Bright to cloudy.
5	—	—	—	—	·7	·2	·6	1·0	·9	1·0	1·0	1·0	·9	·9	1·0	1·0	—	10·2	Overcast at first, then bright.
6	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	14·0	≋, but sunny all day.
7	—	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	·9	1·0	·2	—	—	11·4	Fine throughout.
8	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·9	·8	·6	·7	1·0	·7	—	12·8	≋ early; fine.
9	—	—	·5	·7	·6	·9	1·0	·5	·4	·6	·9	·9	·9	·9	1·0	1·0	—	10·8	Generally fine, with N.Ely. breeze.
10	—	—	—	—	—	—	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	—	9·2	Very cloudy till 9h. 30m.; fine afterwards.
11	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	13·8	Fine, with wind from N.-N.E.
12	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	15·2	Cloudless all day.
13	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	15·4	≋ early, then bright and fine.
14	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	14·1	A fine day, with Nly. breeze.
15	—	·3	1·0	1·0	1·0	1·0	·2	·1	—	—	—	—	—	—	—	—	—	4·6	Very fine till 9h. 30m., then dull.
16	—	·6	1·0	1·0	·8	·7	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·7	·2	13·9	≋; fine
17	—	—	—	—	—	·4	·4	·3	·8	·9	·7	·9	·9	·9	·9	·8	—	7·0	Cloudy till 10h., then clearing.
18	—	—	—	—	·4	·8	1·0	1·0	1·0	1·0	1·0	·6	·8	1·0	1·0	·6	—	10·2	Cloudy to fine; Wly. wind.
19	—	·3	1·0	1·0	·9	·7	·4	·1	·7	·9	1·0	·9	·4	·7	·6	·4	—	10·0	Fine; good visibility in afternoon.
20	—	—	·3	—	·3	1·0	·9	—	·9	1·0	·8	·4	·5	·1	·2	·7	—	7·1	Cloudy to bright; ⊕ at 16h.
21	—	·6	·5	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	14·1	Sunny day, with clear atmosphere.
22	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	·7	—	14·1	Very fine and hot.
23	—	·7	1·0	1·0	·9	·6	·9	·7	·1	·8	·8	·4	·3	·1	·1	—	—	8·4	Fine most of day.
24	—	—	·1	·7	1·0	1·0	·8	·9	·9	·3	·7	·6	·5	1·0	·7	—	—	9·2	A.M. misty to bright; P.M. cloudy to overcast.
25	—	—	—	·3	·7	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	1·0	·9	·7	—	11·2	Fine, with light breeze from S.-S.W.
26	—	—	—	—	—	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	·7	—	7·0	●, with ⊤ and < till 11h. 30m., then clearing.
27	—	·3	1·0	·8	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	14·5	Clear and fine.
28	—	·1	·6	·9	·4	·9	1·0	1·0	1·0	1·0	1·0	·6	·5	·3	·2	—	—	9·5	● at 3h. and 22h., otherwise fine.
29	—	—	·6	·8	·9	·9	1·0	·9	1·0	1·0	1·0	1·0	—	—	—	—	—	9·1	≋ early; then fine till 3h.-30h.; ●, ⊤, and < later.
30	—	·8	·8	·9	1·0	1·0	1·0	1·0	·9	·9	1·0	1·0	·9	·2	—	·8	—	12·2	Fine; ⊕ about 17h.
31	—	—	·9	1·0	1·0	1·0	·9	·3	·6	1·0	·9	1·0	1·0	1·0	1·0	·7	—	12·3	Misty to bright and clear.
	0·2	8·7	18·4	22·1	23·4	24·1	24·8	22·8	24·7	26·0	27·1	24·9	23·1	21·8	21·7	17·4	2·5	333·7	Total.
	0·05	4·18	10·61	13·17	14·65	15·93	16·33	16·29	16·17	16·25	16·01	15·32	14·51	13·98	12·37	7·76	0·42	203·98	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. JULY, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	87·3	87·2	86·7	86·7	86·3	86·2	86·5	87·7	87·9	88·7	88·1	89·0	89·1	90·3	90·6	91·3	91·0	91·1	90·7	90·1	89·0	88·2	87·8	86·9	86·3	88·5
2	86·3	86·2	85·8	85·6	85·1	85·1	85·6	87·0	86·9	87·6	88·4	88·0	89·2	89·8	89·3	91·0	89·9	89·5	89·9	90·2	88·4	87·0	86·0	85·0	83·7	87·6
3	83·7	82·9	82·4	82·8	82·8	83·1	83·9	85·6	86·3	87·1	88·2	88·8	89·5	90·3	90·9	91·5	91·8	92·0	92·4	91·5	89·9	87·7	86·2	86·9	86·0	87·5
4	86·0	85·3	84·3	84·2	83·7	84·9	85·4	86·5	88·1	89·3	90·9	91·8	92·8	93·1	93·0	92·6	93·2	93·8	93·5	92·9	92·4	91·1	89·5	88·5	87·6	89·5
5	87·6	87·9	88·0	87·9	87·8	88·1	88·4	89·0	90·4	92·3	93·2	94·3	95·2	95·6	96·9	98·7	98·4	99·5	98·9	98·8	95·7	93·5	92·0	91·1	90·4	93·0
6	90·4	89·7	88·4	88·0	87·9	87·9	89·1	90·9	92·3	94·2	95·1	96·5	97·8	99·7	00·0	00·9	01·0	01·3	01·3	98·7	96·3	95·1	93·6	91·7	90·3	94·5
7	90·3	90·0	89·5	89·0	88·5	89·1	89·8	92·2	93·6	95·2	96·8	98·7	99·8	00·8	00·8	01·3	01·0	00·7	98·7	97·1	95·1	93·8	92·6	91·9	91·7	94·9
8	91·7	91·4	89·9	89·1	88·3	88·5	90·0	92·1	94·0	95·8	97·1	99·1	00·0	01·7	01·7	02·4	01·4	01·6	01·9	00·6	98·7	93·9	91·9	91·0	90·5	95·6
9	90·5	90·2	89·7	88·5	87·6	87·9	88·2	89·2	90·1	90·1	91·2	92·4	92·8	93·4	94·0	94·3	94·7	94·7	93·6	91·7	89·9	89·2	88·5	86·9	85·8	90·7
10	85·8	85·1	83·6	83·3	83·1	83·9	85·4	86·3	87·0	87·5	88·4	89·2	90·1	91·3	92·4	93·6	93·9	94·5	93·2	92·0	90·4	89·3	89·0	87·4	86·3	88·6
11	86·3	85·3	85·1	85·1	84·8	84·2	85·1	86·1	87·3	90·5	92·6	94·8	95·9	97·3	97·8	98·4	98·5	98·4	97·8	96·8	94·5	92·4	91·0	89·5	88·7	91·5
12	88·7	87·9	86·7	86·3	86·1	87·4	87·8	89·6	91·3	93·8	95·1	96·4	97·5	98·0	98·7	99·1	98·9	98·7	97·9	96·9	94·7	92·4	90·8	89·2	88·1	92·9
13	88·1	87·4	86·8	86·3	86·0	86·9	87·2	89·6	91·4	94·2	95·8	96·1	97·5	98·3	98·5	98·9	98·9	98·4	97·5	96·0	93·8	92·0	90·8	89·9	88·8	92·8
14	88·8	88·0	87·4	87·0	86·5	87·1	87·8	89·8	91·4	93·5	94·8	96·2	97·4	98·5	99·2	99·7	00·1	00·3	00·1	99·2	95·8	93·2	92·0	90·7	89·7	93·5
15	89·7	88·6	89·5	88·1	87·4	87·3	88·2	89·2	91·1	92·0	90·5	91·5	91·4	90·2	90·2	91·0	90·9	90·6	90·7	90·0	89·6	88·6	87·1	85·2	85·0	89·4
16	85·0	84·2	84·1	83·9	83·5	83·5	84·7	87·5	89·2	91·0	92·0	93·7	94·9	95·9	96·5	97·2	96·7	95·8	95·0	93·5	91·2	90·1	89·4	88·8	88·0	90·4
17	88·0	87·8	86·9	86·7	86·0	87·1	87·5	89·3	90·3	90·8	91·1	93·2	94·1	94·4	95·6	96·2	96·5	97·2	96·9	96·7	94·2	92·3	90·9	90·5	89·9	91·7
18	89·9	89·7	89·3	89·3	89·3	89·3	89·7	90·3	90·9	92·2	92·1	92·8	93·1	93·6	94·5	94·3	94·6	94·9	94·6	94·1	92·2	90·7	89·6	88·7	87·6	91·6
19	87·6	87·1	86·7	86·3	85·7	86·3	87·2	88·6	90·2	91·4	91·7	93·1	93·5	94·3	95·5	95·5	95·8	96·0	96·3	96·0	94·2	92·6	91·4	90·3	89·6	91·4
20	89·6	89·1	89·0	88·7	87·6	88·3	89·4	91·2	92·4	94·8	96·2	97·4	97·9	98·7	99·7	99·9	99·7	99·7	98·5	98·3	96·3	94·2	93·1	92·5	91·3	94·3
21	91·3	90·0	89·0	89·0	88·1	88·6	91·1	92·6	95·1	97·1	98·5	00·7	01·4	02·2	02·7	03·5	03·1	03·1	02·6	02·1	98·6	96·1	94·7	93·6	92·5	96·5
22	92·5	91·0	89·3	88·5	88·1	88·8	90·6	92·9	94·9	97·6	99·0	00·0	01·5	02·5	02·9	03·5	03·8	03·1	02·2	01·1	98·2	96·8	95·5	94·1	92·9	96·6
23	92·9	91·2	91·3	90·6	90·0	89·8	90·4	91·5	93·1	93·7	94·6	95·7	96·0	97·0	97·8	97·8	97·9	97·0	95·9	93·6	92·4	91·8	91·2	90·9	90·3	93·4
24	90·3	90·3	90·2	89·7	89·1	89·5	89·9	90·7	92·0	93·7	95·2	96·9	96·6	97·4	98·5	00·7	96·8	98·5	98·6	95·0	93·0	92·4	91·4	90·9	90·8	93·7
25	90·8	90·8	91·0	91·0	90·3	90·7	91·3	92·4	93·4	93·8	95·2	97·1	99·2	98·0	00·2	00·6	00·4	00·8	00·2	99·1	96·5	94·6	93·1	91·9	90·8	95·1
26	90·8	90·6	89·3	89·2	89·2	89·1	88·8	88·5	88·9	89·5	90·1	89·6	91·5	94·1	96·0	97·6	98·5	98·2	98·4	97·0	94·0	92·4	90·8	90·3	90·2	92·2
27	90·2	89·1	88·7	88·5	87·5	89·0	90·1	91·7	93·2	95·4	97·4	97·9	98·5	99·1	99·2	00·4	00·8	01·1	00·8	00·3	96·9	93·6	92·6	91·3	91·2	94·7
28	91·2	90·8	91·1	90·7	90·3	90·2	90·6	91·4	94·0	95·8	97·9	99·3	00·7	01·4	02·1	02·9	02·5	02·0	99·6	97·5	96·8	95·9	94·7	94·5	93·8	96·1
29	93·8	92·8	93·0	92·4	91·6	91·1	91·3	94·5	95·8	96·1	98·2	00·0	01·3	02·5	02·9	04·0	03·1	01·9	99·5	99·0	94·2	92·8	92·4	92·4	92·0	96·5
30	92·0	92·1	91·5	90·9	90·0	90·6	91·0	92·6	93·7	93·9	95·2	96·3	96·5	97·1	96·9	97·9	98·0	96·8	95·4	96·2	93·1	91·3	90·8	89·8	89·8	93·7
31	89·8	88·5	87·8	87·1	86·9	87·5	88·6	90·8	93·4	94·9	95·9	96·9	96·3	98·4	99·8	99·7	99·4	99·6	99·1	98·3	94·8	92·6	92·3	90·1	89·5	93·7
Mean ...	89·3	88·7	88·1	87·8	87·3	87·6	88·4	89·9	91·3	92·7	93·8	94·9	95·8	96·6	97·3	97·9	97·8	97·8	97·2	96·1	93·9	92·2	91·1	90·1	89·3	92·7
Normals 1871–1910.	87·4	87·1	86·6	86·3	86·1	86·3	86·9	88·0	89·0	90·1	90·9	91·8	92·3	92·9	93·3	93·5	93·4	93·3	92·7	92·0	90·6	89·5	88·7	88·1	87·4	89·9

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JULY, 1911.

1	94	94	95	89	87	86	85	75	78	77	72	73	71	64	62	50	52	51	54	59	63	74	74	80	82	73·0
2	82	84	84	87	89	88	85	72	67	57	57	55	49	45	47	43	46	49	50	53	59	66	70	76	83	65·0
3	83	87	87	85	83	80	77	64	58	59	54	55	49	50	47	47	46	44	44	53	65	69	75	76	83	64·1
4	83	85	88	86	88	80	79	80	75	64	57	52	49	49	49	51	51	50	50	53	56	66	72	73	74	65·9
5	74	74	77	78	78	81	80	79	76	71	66	60	54	52	52	51	50	50	47	54	66	71	78	81	80	66·8
6	80	84	88	89	88	87	79	75	68	57	55	51	52	46	47	45	45	46	46	53	62	69	74	85	89	65·6
7	89	90	95	94	95	91	88	77	71	65	62	59	55	51	48	46	49	49	52	55	54	60	63	73	71	67·6
8	71	74	81	88	90	89	84	77	64	58	57	54	52	49	48	47	50	46	41	43	47	58	73	77	79	63·4
9	79	73	75	84	85	84	79	74	68	68	62	60	57	57	55	52	49	49	56	62	66	68	71	65	68	66·4
10	68	68	77	77	78	75	70	65	65	64	63	59	57	55	52	49	47	45	59	63	71	76	58	63	67	63·5
11	67	72	78	83	85	86	82	80	74	53	41	38	35	38	41	39	39	39	40	40	47	51	58	69	77	57·5
12	77	83	87	89	90	82	79	71	63	56	54	49	46	47	47	39	37	38	37	40	42	47	49	59	59	58·3
13	59	71	66	75	78	72	75	69	60	44	40	46	41	42	36	35	33	34	34	36	45	56	67	74	80	54·1
14	80	84	86	89	89	88	86	76	68	49	50	47	37	36	34	36	35	37	35	38	53	59	63	76	77	59·5
15	77	84	80	84	87	86	80	82	74	67	72	68	72	80	76	69	69	65	62	64	64	68	77	86	86	74·9
16	86	92	88	88	88	87	83	75	62	62	57	53	52	49	47	46	51	51	53	58	63	64	69	72	76	66·3
17	76	76	77	79	84	81	80	75	65	64	61	58	53	54	49	46	46	47	56	59	52	53	60	66	70	63·1
18	70	74	79	80	80	81	81	78	77	66	52	50	46	45	43	43	42	42	44	47	53	57	63	68	71	60·9
19	71	76	79	84	88	84	83	77	72	64	62	56	50	50	46	48	48	51	50	61	66	71	74	78	82	66·4
20	82	83	85	87	90	90	86	78	75	60	50	50	49	47	44	42	43	41	48	49	55	65	66	69	80	63·9
21	80	81	85	88	88	87	79	72	64	57	49	42	37	36	35	35	34	35	35	38	51	59	61	68	72	58·0
22	72	79	88	91	95	87	82	72	63	52	49	46	40	36	37	35	33	37	43	46	59	65	70	75	69	60·4
23	69	64	67	64	65	64	61	57	51	54	50	49	50	49	48	49	49	50	51	55	58	63	60	63	64	56·6
24	64	65	67	72	75	73	75	68	60	52	50	46	45	46	44	42	50	44	48	57	67	73	81	87	84	60·9
25	84	86	86	87	89	90	88	82	77	72	67	59	50	55	41	40	35	38	38	40	43	48	52	59	66	62·4
26	66	66	73	76	78	77	90	96	93	91	90	90	92	82	72	64	56	59	54	58	68	75	82	87	88	76·9
27	88	92	92	91	93	91	86	79	67	65	60	59	56	53	51	46	39	40	40	44	55	74	77	83	85	67·5
28	85	86	84	83	91	90	91	89	77	72	55	55	51	48	45	43	45	49	52	66	67	72	76	76	81	68·5
29	81	86	84	84	91	92	92	78	71	67	62	49	46	44	41	41	40	43	50	51	79	86	87	92	91	68·5
30	91	86	92	92	92	87	86	79	75	73	62	58	54	54	54	54	54	52	56	58	67	73	79	85	85	71·2
31	85	90	91	90	93	92	90	77	70	64	59	55	58	52	47	44	44	45	48	50	60	69	73	80	89	67·9
Mean ...	77·8	80·3	82·6	84·3	86·1	84·1	82·0	75·7	69·3	62·7	58·0	54·9	51·8	50·4	47·9	45·7	45·4	45·7	47·5	51·7	58·8	65·3	69·4	74·9	77·7	64·7
Normals 1886–1910.	83·8	85·1	86·4	87·2	88·1	87·1	85·3	80·8	75·9	70·7	67·0	63·4	61·5	59·4	58·3	57·8	58·1	59·2	61·4	65·1	70·9	75·9	79·3	81·7	84·0	72·9

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** JULY, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE* and TEMPERATURE.† JULY, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9772	·9737	87·3	79·5	9	·0078	·0031	91·5	80·1	17	·9854	·9746	86·8	84·0	25	·9847	·9814	90·2	81·1
2	·9911	·9769	87·2	79·3	10	**·0089**	·0068	96·1	76·9	18	·9797	**·9734**	89·2	81·3	26	·9837	·9818	91·7	79·2
3	·9991	·9911	87·6	**76·8**	11	·0082	·0067	97·7	79·6	19	·9887	·9797	88·2	81·4	27	·9855	·9815	89·3	83·9
4	·0004	·9974	88·1	82·5	12	·0077	·0051	**300·8**	81·2	20	·9910	·9886	88·7	82·5	28	·9923	·9850	92·6	85·1
5	·0007	·9980	89·2	85·6	13	·0058	·0035	97·8	83·7	21	·9903	·9893	88·7	86·4	29	·9927	·9838	95·6	85·4
6	·9980	·9955	89·2	84·8	14	·0042	·9966	98·1	82·2	22	·9967	·9893	89·7	80·8	30	·9869	·9801	94·2	87·6
7	·9970	·9956	90·6	86·4	15	·0003	·9930	92·9	83·0	23	·9969	·9938	89·8	80·2	31	·9879	·9862	94·2	86·3
8	·0031	·9954	92·8	83·7	16	·9931	·9854	91·4	84·3	24	·9938	·9847	90·3	79·1	Mean	—	—	91·5	82·4

TABLE II.

ESKDALEMUIR. JULY, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9754	·9749	·9744	·9741	·9739	·9739	·9739	·9740	·9740	·9739	·9740	·9741	·9744	·9745	·9745	·9745	·9747	·9748	·9750	·9753	·9756	·9763	·9766	·9770	·9771	·9748
2	·9771	·9770	·9770	·9772	·9779	·9785	·9790	·9797	·9806	·9812	·9816	·9821	·9826	·9830	·9836	·9845	·9846	·9851	·9858	·9865	·9872	·9881	·9895	·9903	·9911	·9828
3	·9911	·9914	·9921	·9927	·9930	·9937	·9945	·9954	·9959	·9961	·9965	·9966	·9973	·9973	·9977	·9980	·9982	·9983	·9983	·9985	·9987	·9988	·9990	·9987	·9987	·9963
4	·9987	·9983	·9982	·9979	·9976	·9976	·9975	·9976	·9978	·9977	·9979	·9981	·9983	·9984	·9985	·9990	·9991	·9991	·9992	·9995	·9998	·0002	·0003	·0003	·0004	·9986
5	·0004	·0000	·9998	·9999	·0000	·0001	·0002	·9998	·0000	·0001	·0004	·0005	·0007	·0003	·0004	·0002	·9998	·9994	·9995	·9992	·9993	·9992	·9990	·9984	·9980	·9998
6	·9980	·9978	·9971	·9969	·9969	·9969	·9967	·9966	·9961	·9963	·9959	·9956	·9956	·9957	·9956	·9957	·9957	·9956	·9956	·9956	·9959	·9960	·9961	·9963	·9961	·9962
7	·9961	·9958	·9958	·9957	·9960	·9960	·9962	·9964	·9966	·9969	·9968	·9966	·9966	·9967	·9970	·9967	·9966	·9966	·9965	·9964	·9964	·9964	·9963	·9962	·9959	·9964
8	·9959	·9956	·9959	·9960	·9960	·9957	·9959	·9963	·9969	·9974	·9975	·9976	·9981	·9983	·9987	·9991	·9993	·9997	·0004	·0009	·0016	·0021	·0028	·0031	·0031	·9985
9	·0031	·0031	·0034	·0037	·0039	·0041	·0044	·0047	·0050	·0051	·0051	·0052	·0050	·0051	·0051	·0050	·0049	·0048	·0052	·0058	·0064	·0070	·0075	·0076	·0077	·0051
10	·0077	·0077	·0078	·0077	·0078	·0081	·0085	·0085	·0087	·0085	·0085	·0082	·0082	·0080	·0077	·0076	·0073	·0071	·0071	·0070	·0070	·0073	·0076	·0079	·0080	·0078
11	·0080	·0079	·0080	·0078	·0079	·0080	·0080	·0081	·0081	·0081	·0081	·0080	·0079	·0078	·0077	·0075	·0072	·0068	·0069	·0069	·0071	·0073	·0076	·0077	·0077	·0077
12	·0077	·0075	·0075	·0072	·0072	·0073	·0073	·0073	·0073	·0070	·0071	·0070	·0067	·0064	·0062	·0058	·0054	·0052	·0052	·0051	·0051	·0054	·0058	·0059	·0058	·0064
13	·0058	·0058	·0058	·0056	·0056	·0055	·0057	·0058	·0055	·0054	·0053	·0053	·0051	·0049	·0046	·0044	·0040	·0039	·0039	·0038	·0035	·0039	·0041	·0043	·0042	·0049
14	·0042	·0041	·0036	·0035	·0033	·0028	·0026	·0022	·0019	·0014	·0008	·0004	·0001	·9998	·9993	·9991	·9986	·9980	·9976	·9976	·9971	·9967	·9971	·9979	·9985	·0003
15	·9985	·9990	·9993	·9997	·9999	·9998	·0002	·0003	·0000	·0000	·0002	·0000	·9998	·9994	·9986	·9977	·9970	·9964	·9957	·9951	·9950	·9949	·9940	·9935	·9931	·9980
16	·9931	·9920	·9917	·9907	·9896	·9880	·9893	·9880	·9886	·9887	·9883	·9877	·9874	·9872	·9868	·9865	·9868	·9865	·9863	·9864	·9865	·9867	·9862	·9859	·9854	·9880
17	·9854	·9849	·9842	·9837	·9829	·9823	·9818	·9812	·9810	·9804	·9803	·9797	·9795	·9791	·9786	·9781	·9771	·9765	·9758	·9750	·9746	·9748	·9747	·9749	·9746	·9792
18	·9746	·9744	·9741	·9738	·9735	·9734	·9735	·9737	·9738	·9741	·9744	·9744	·9749	·9750	·9753	·9757	·9757	·9761	·9768	·9773	·9779	·9786	·9790	·9792	·9797	·9755
19	·9797	·9798	·9801	·9803	·9809	·9812	·9818	·9821	·9829	·9833	·9831	·9833	·9838	·9842	·9850	·9853	·9858	·9860	·9864	·9866	·9872	·9879	·9882	·9885	·9887	·9841
20	·9887	·9890	·9891	·9893	·9896	·9898	·9899	·9901	·9905	·9906	·9907	·9908	·9907	·9905	·9907	·9905	·9904	·9902	·9901	·9899	·9899	·9898	·9896	·9896	·9895	·9900
21	·9895	·9895	·9896	·9894	·9895	·9894	·9898	·9901	·9903	·9900	·9902	·9901	·9901	·9896	·9895	·9895	·9894	·9895	·9896	·9897	·9899	·9900	·9901	·9900	·9899	·9898
22	·9899	·9895	·9895	·9895	·9896	·9900	·9902	·9904	·9905	·9906	·9909	·9912	·9915	·9919	·9921	·9927	·9933	·9938	·9944	·9946	·9953	·9957	·9961	·9964	·9965	·9922
23	·9965	·9964	·9962	·9960	·9963	·9961	·9964	·9964	·9966	·9964	·9964	·9962	·9958	·9956	·9954	·9949	·9944	·9943	·9940	·9940	·9942	·9944	·9943	·9940	·9938	·9954
24	·9938	·9935	·9933	·9929	·9925	·9925	·9921	·9918	·9916	·9911	·9908	·9907	·9900	·9895	·9890	·9882	·9879	·9872	·9866	·9861	·9857	·9855	·9851	·9850	·9847	·9895
25	·9847	·9844	·9839	·9834	·9830	·9827	·9824	·9820	·9820	·9817	·9818	·9817	·9817	·9818	·9818	·9817	·9818	·9819	·9822	·9823	·9826	·9830	·9832	·9835	·9836	·9825
26	·9836	·9834	·9831	·9831	·9829	·9825	·9829	·9828	·9831	·9829	·9824	·9820	·9821	·9820	·9820	·9819	·9819	·9820	·9821	·9823	·9823	·9824	·9826	·9828	·9828	·9825
27	·9828	·9823	·9823	·9819	·9819	·9818	·9818	·9821	·9821	·9820	·9821	·9820	·9824	·9825	·9824	·9823	·9831	·9836	·9842	·9845	·9851	·9853	·9853	·9851	·9852	·9830
28	·9852	·9852	·9853	·9852	·9852	·9853	·9856	·9860	·9860	·9865	·9866	·9872	·9876	·9878	·9882	·9886	·9889	·9891	·9895	·9896	·9904	·9913	·9914	·9919	·9923	·9878
29	·9923	·9922	·9921	·9920	·9921	·9922	·9923	·9922	·9923	·9927	·9923	·9915	·9910	·9901	·9894	·9889	·9878	·9869	·9869	·9867	·9859	·9855	·9849	·9840	·9839	·9896
30	·9839	·9835	·9823	·9814	·9807	·9803	·9804	·9805	·9808	·9809	·9811	·9814	·9819	·9820	·9823	·9825	·9824	·9830	·9835	·9841	·9848	·9854	·9861	·9867	·9869	·9826
31	·9869	·9868	·9868	·9866	·9867	·9872	·9875	·9878	·9878	·9876	·9870	·9871	·9867	·9869	·9867	·9863	·9862	·9862	·9863	·9864	·9867	·9868	·9869	·9868	·9864	·9869
Mean...	0·9 9220	0·9 9202	0·9 9191	0·9 9177	0·9 9174	0·9 9170	0·9 9188	0·9 9193	0·9 9207	0·9 9208	0·9 9207	0·9 9201	0·9 9205	0·9 9198	0·9 9195	0·9 9188	0·9 9178	0·9 9173	0·9 9183	0·9 9189	0·9 9209	0·9 9235	0·9 9248	0·9 9256	0·9 9256	0·9 9201
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(21994–24.) Wt. 41466—310. 375. 12/11. D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* JULY 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	4·0	—	4·5	—	3·6	—	3·6	—	4·5	—	3·6	—	4·5	—	4·0	—	4·5	—	4·5	—	5·4	—	5·4
2	—	4·9	—	5·8	—	6·7	—	4·5	—	6·3	—	5·8	—	4·5	—	5·4	—	4·5	—	5·8	—	6·7	—	6·7
3	—	5·4	—	3·1	—	1·8	—	3·6	—	2·7	—	2·2	—	4·5	—	4·0	—	4·9	—	5·8	—	6·3	—	7·2
4	—	5·8	—	5·4	—	7·2	—	6·7	—	6·7	—	8·9	—	8·9	—	8·1	—	8·9	—	8·5	—	8·5	—	8·5
5	—	3·1	—	3·6	—	2·7	—	1·8	—	4·0	—	4·0	—	4·9	—	5·4	—	7·2	—	6·7	—	6·7	—	6·3
6	—	6·3	—	5·4	—	4·5	—	4·5	—	4·5	—	6·3	—	7·2	—	8·5	—	7·6	—	8·9	—	8·9	—	8·9
7	—	1·3	—	1·3	—	2·7	—	2·7	—	4·0	—	4·5	—	4·0	—	4·0	—	4·5	—	6·7	—	6·7	—	7·6
8	—	4·0	—	3·6	—	3·6	—	4·5	—	7·2	—	6·3	—	5·8	—	5·4	—	4·9	—	4·5	—	6·3	—	5·8
9	—	3·1	—	3·6	—	3·6	—	2·7	—	2·2	—	3·1	—	3·1	—	4·0	—	4·5	—	3·6	—	3·1	—	3·1
10	—	1·8	—	4·0	—	3·6	—	1·8	—	0·9	—	0·0	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	0·5
11	—	0·0	—	0·5	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	1·3	—	2·2	—	2·7	—	2·7
12	—	1·3	—	0·9	—	1·3	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	0·5	—	0·5
13	—	0·0	—	0·5	—	0·5	—	0·9	—	0·9	—	0·0	—	2·2	—	4·0	—	6·7	—	4·9	—	3·1	—	1·3
14	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	3·1	—	2·7	—	4·0	—	4·5	—	4·9
15	—	5·8	—	4·9	—	4·5	—	4·0	—	5·4	—	4·9	—	4·5	—	4·5	—	4·0	—	3·1	—	0·9	—	0·9
16	—	4·9	—	4·0	—	4·9	—	9·4	—	10·3	—	4·5	—	5·4	—	3·1	—	2·2	—	6·3	—	12·5	—	13·0
17	—	2·2	—	2·7	—	3·6	—	1·8	—	4·0	—	4·5	—	5·8	—	7·2	—	6·7	—	7·2	—	7·2	—	7·2
18	—	3·6	—	3·1	—	4·0	—	4·9	—	4·9	—	5·8	—	5·8	—	7·2	—	6·7	—	6·7	—	8·1	—	8·1
19	—	4·0	—	4·0	—	4·9	—	3·1	—	1·8	—	2·2	—	5·8	—	7·6	—	7·6	—	8·5	—	7·6	—	8·9
20	—	0·0	—	0·0	—	0·0	—	0·0	—	1·8	—	5·4	—	5·4	—	5·4	—	6·3	—	6·7	—	8·5	—	8·1
21	—	6·3	—	7·2	—	7·2	—	6·3	—	7·6	—	8·1	—	8·9	—	8·9	—	10·7	—	10·7	—	10·7	—	11·6
22	—	5·4	—	6·7	—	7·6	—	7·2	—	6·3	—	8·1	—	9·4	—	11·2	—	13·0	—	12·1	—	11·6	—	11·2
23	—	3·6	—	3·6	—	2·7	—	0·5	—	0·5	—	1·3	—	1·8	—	3·6	—	3·1	—	4·5	—	4·9	—	5·8
24	—	0·5	—	0·9	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	2·7	—	5·8	—	7·6	—	8·5	—	9·8
25	—	1·8	—	3·6	—	4·0	—	4·9	—	4·9	—	5·4	—	6·3	—	6·3	—	6·3	—	8·1	—	6·3	—	8·5
26	—	0·5	—	0·0	—	0·5	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	1·3	—	2·2	—	5·4	—	4·5
27	—	0·0	—	0·0	—	0·0	—	0·5	—	3·1	—	3·1	—	4·5	—	4·5	—	6·7	—	8·1	—	6·7	—	7·2
28	—	7·2	—	7·6	—	7·6	—	8·9	—	8·9	—	7·2	—	6·7	—	8·9	—	9·8	—	8·5	—	6·3	—	6·3
29	—	0·0	—	3·6	—	3·1	—	1·8	—	2·2	—	1·8	—	2·7	—	1·8	—	4·5	—	4·9	—	6·3	—	7·2
30	—	4·5	—	8·1	—	8·5	—	5·4	—	3·6	—	0·9	—	4·0	—	6·7	—	6·7	—	7·6	—	8·1	—	8·5
31	—	4·5	—	4·5	—	4·5	—	4·5	—	4·5	—	4·5	—	4·5	—	6·3	—	6·7	—	4·9	—	5·4	—	5·8
Mean ...	—	3·1	—	3·4	—	3·5	—	3·3	—	3·7	—	3·6	—	4·3	—	4·9	—	5·5	—	6·0	—	6·3	—	6·5
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
1	—	8·1	—	7·6	—	8·1	—	8·1	—	8·9	—	7·6	—	7·6	—	6·3	—	5·4	—	4·9	—	4·5	—	5·4	5·6	1
2	—	8·1	—	8·5	—	5·8	—	7·6	—	8·9	—	10·3	—	9·4	—	8·1	—	6·7	—	3·6	—	0·9	—	3·6	6·2	2
3	—	5·8	—	6·7	—	7·2	—	7·6	—	8·5	—	8·1	—	6·7	—	5·4	—	5·4	—	6·3	—	5·4	—	6·3	5·5	3
4	—	7·6	—	8·5	—	7·6	—	8·1	—	7·6	—	6·7	—	6·3	—	4·0	—	3·6	—	4·0	—	4·0	—	3·6	6·8	4
5	—	7·2	—	5·4	—	5·4	—	5·8	—	5·4	—	4·5	—	4·5	—	3·1	—	4·0	—	4·0	—	4·5	—	5·4	4·8	5
6	—	8·5	—	8·1	—	6·3	—	4·9	—	5·4	—	5·8	—	4·9	—	3·6	—	2·7	—	1·3	—	0·9	—	0·5	5·6	6
7	—	6·3	—	5·8	—	5·4	—	4·9	—	4·9	—	4·5	—	3·6	—	3·1	—	2·2	—	3·6	—	5·8	—	6·7	4·5	7
8	—	5·4	—	5·8	—	5·4	—	5·4	—	5·8	—	6·3	—	4·5	—	4·0	—	3·6	—	4·0	—	4·0	—	3·6	5·0	8
9	—	2·7	—	3·1	—	3·6	—	2·7	—	4·0	—	5·8	—	5·4	—	2·7	—	1·3	—	3·1	—	2·7	—	1·8	3·3	9
10	—	0·5	—	0·9	—	1·3	—	0·9	—	1·3	—	1·3	—	2·7	—	1·8	—	2·7	—	1·3	—	0·5	—	0·0	1·3	10
11	—	3·1	—	3·1	—	2·7	—	2·2	—	2·2	—	2·2	—	2·7	—	3·6	—	1·8	—	2·2	—	1·8	—	0·9	1·6	11
12	—	0·9	—	0·9	—	0·9	—	0·9	—	3·6	—	0·9	—	0·5	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	0·6	12
13	—	1·3	—	2·2	—	3·6	—	4·9	—	6·3	—	5·4	—	2·7	—	3·6	—	3·1	—	1·8	—	1·8	—	0·9	2·6	13
14	—	5·8	—	5·8	—	4·9	—	5·4	—	7·6	—	8·9	—	8·5	—	8·9	—	10·3	—	6·3	—	8·1	—	5·4	4·4	14
15	—	3·1	—	3·6	—	4·9	—	5·8	—	4·9	—	7·6	—	9·4	—	5·8	—	2·7	—	2·2	—	4·0	—	4·9	4·4	15
16	—	12·1	—	13·0	—	11·6	—	8·9	—	9·4	—	6·3	—	5·8	—	5·4	—	5·8	—	6·7	—	6·3	—	3·6	7·3	16
17	—	6·3	—	5·8	—	7·6	—	8·5	—	8·5	—	8·1	—	7·2	—	7·2	—	6·3	—	3·6	—	1·3	—	4·0	5·6	17
18	—	7·6	—	8·9	—	8·1	—	8·5	—	8·5	—	8·1	—	5·4	—	3·1	—	3·6	—	3·6	—	4·5	—	4·0	6·0	18
19	—	8·5	—	10·3	—	10·3	—	9·8	—	8·9	—	7·2	—	5·4	—	4·0	—	0·5	—	0·5	—	0·0	—	0·5	5·5	19
20	—	8·9	—	8·9	—	7·6	—	7·2	—	4·5	—	1·3	—	0·9	—	1·8	—	3·6	—	5·8	—	7·2	—	6·7	4·7	20
21	—	13·4	—	14·3	—	15·7	—	13·9	—	12·5	—	11·6	—	10·7	—	8·9	—	8·9	—	8·1	—	5·8	—	4·9	9·7	21
22	—	11·2	—	10·7	—	9·4	—	7·2	—	7·6	—	5·8	—	6·7	—	5·4	—	4·9	—	3·1	—	0·5	—	1·3	7·7	22
23	—	4·9	—	4·5	—	4·9	—	4·5	—	6·3	—	5·8	—	5·4	—	4·9	—	1·8	—	1·8	—	4·0	—	1·8	3·6	23
24	—	8·9	—	8·5	—	8·9	—	8·1	—	5·8	—	3·1	—	2·7	—	0·5	—	0·5	—	1·8	—	0·5	—	0·0	3·6	24
25	—	8·9	—	8·5	—	8·9	—	8·5	—	8·5	—	7·6	—	4·9	—	2·2	—	0·9	—	0·0	—	0·5	—	0·0	5·2	25
26	—	4·0	—	5·8	—	8·1	—	6·7	—	5·8	—	4·9	—	4·0	—	1·8	—	0·5	—	0·0	—	0·0	—	0·0	2·4	26
27	—	8·1	—	4·5	—	8·5	—	8·9	—	7·6	—	5·8	—	3·6	—	1·3	—	0·5	—	0·5	—	5·4	—	6·3	4·4	27
28	—	6·3	—	6·3	—	5·8	—	4·5	—	4·9	—	4·0	—	0·9	—	0·5	—	0·0	—	0·5	—	0·0	—	0·0	5·3	28
29	—	8·5	—	9·4	—	9·4	—	12·1	—	11·6	—	8·1	—	7·2	—	8·1	—	6·3	—	4·9	—	5·8	—	4·9	5·7	29
30	—	8·1	—	6·3	—	7·2	—	8·5	—	8·5	—	7·6	—	6·7	—	4·0	—	2·2	—	1·8	—	4·5	—	4·5	5·9	30
31	—	5·4	—	4·5	—	3·6	—	3·1	—	3·6	—	3·6	—	1·8	—	0·9	—	0·0	—	0·5	—	0·5	—	0·5	3·7	31
	—	6·6	—	6·7	—	6·7	—	6·6	—	6·7	—	6·0	—	5·1	—	4·0	—	3·3	—	3·0	—	3·1	—	3·0	4·8	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. JULY, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	0·25	0·25	—	1·02	—	—	—	—	—	—	—	—	—	—	—	—	1·52
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·76	—	—	—	—	—	—	—	1·01
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	0·76
4	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
5	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	2·03	1·02	0·25	0·25	0·25	0·25	—	—	—	—	—	—	—	0·51	0·51	0·25	—	0·25	—	—	—	—	5·57
18	—	—	0·51	0·76	0·25	0·25	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	2·02
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	0·25	0·25	0·25	—	—	—	—	—	—	—	—	0·51	—	1·78	1·02	1·02	0·76	0·76	2·03	2·54	1·27	0·25	12·69
21	—	0·51	1·02	0·76	0·25	0·51	1·27	0·25	—	—	—	—	—	—	—	0·25	0·25	0·25	0·51	—	2·28	0·25	—	0·25	8·61
22	1·02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	0·25	0·51	0·51	2·79	1·27	2·54	2·03	0·25	—	—	—	—	—	1·02	0·76	—	11·93
28	—	—	—	—	1·78	2·28	0·76	2·28	1·02	0·76	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	9·39
29	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
30	—	—	0·25	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	1·02	0·51	5·07	3·55	3·03	3·29	2·28	3·03	1·78	1·52	2·79	2·80	2·54	2·54	0·75	2·54	2·54	1·52	1·27	1·01	4·31	3·81	2·03	1·26	56·79
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. JULY, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	·1	·4	·2	·3	·3	·7	·3	·7	·8	1·0	·9	·7	·6	·9	·4	8·3	Occasional showers till evening.
2	—	·6	·3	·2	—	·3	·6	·7	·9	·9	·7	·5	·7	·9	1·0	·4	·3	9·0	Some ●² showers in afternoon.
3	·7	1·0	·9	1·0	·8	1·0	·9	·7	·1	·3	—	—	—	—	—	—	—	7·4	Fair to overcast ; ⊕ in afternoon.
4	—	—	—	—	·1	—	—	—	—	—	—	—	—	—	—	—	—	0·1	Generally dull and misty.
5	—	—	·1	·1	—	—	—	—	—	—	—	·1	—	—	—	—	—	0·3	High ≋³ throughout.
6	—	—	·7	1·0	1·0	·4	—	—	—	—	·1	—	—	—	—	—	—	3·2	Very fine in morning ; practically overcast afterwards.
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast till 19h., fine after.
8	—	—	·2	·3	·8	·5	1·0	·1	·2	·1	—	·5	·9	·5	—	—	—	5·1	⊂⊃ ; cloudy.
9	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	15·4	Very fine throughout.
10	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	16·0	Very fine throughout.
11	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	15·3	Very fine throughout.
12	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	·8	·6	—	·1	—	12·8	Very fine throughout.
13	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	15·0	Very fine throughout ; ⊂⊃⁰.
14	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	14·6	Fine till evening, then cloudy and dull.
15	—	·9	·5	·6	·5	·2	·6	·5	·6	1·0	·9	·9	·9	1·0	·4	·4	—	9·9	Dull to fair.
16	—	—	—	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	·9	·9	·3	—	7·7	Dull, brightening in afternoon.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcastand showery till 20h. ; finer afterwards.
18	—	—	—	—	—	—	—	·1	·3	·5	·6	·9	·7	·9	·3	—	—	4·3	Overcast to cloudy ; ●³ showers in afternoon.
19	—	·1	·6	·8	·9	·2	—	·3	·3	·1	—	·9	·9	·9	·2	—	—	6·2	Fair generally.
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast ; ● after 14h.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast, ●, and ≋².
22	·2	·3	·5	1·0	1·0	·9	·9	·8	·6	·3	·3	—	·1	—	·3	—	—	7·2	Fine generally, but threatening in afternoon.
23	—	—	·3	·1	·1	—	·1	·1	·2	—	·1	1·0	·9	·8	·2	—	—	3·9	Cloudy to fine.
24	—	—	—	—	—	—	—	·1	·1	—	·2	·1	·4	·1	·1	—	—	1·1	Dull to fair.
25	—	—	—	—	—	·1	—	—	·1	·5	·9	·5	·7	—	—	—	—	2·8	Cloudy, ≋².
26	—	—	—	—	—	—	·4	·1	·2	·1	·5	·9	1·0	·2	·3	·9	—	4·6	Variable ; dull in evening.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull ; ● after 8h.
28	—	—	—	—	—	—	—	—	—	·7	·7	1·0	1·0	·9	·9	1·0	·1	6·3	A.M. dull with ● ; P.M. fine.
29	—	·1	·8	1·0	·9	·9	1·0	1·0	1·0	—	—	—	·1	·2	—	—	—	7·0	Fine to dull.
30	—	—	—	—	·1	1·0	·7	·4	·9	·4	·5	·6	1·0	·9	·8	·7	—	8·0	⊂⊃³ ; fine generally.
31	—	—	·4	·9	·9	1·0	1·0	·9	·7	·7	·4	·3	·1	·1	—	—	—	7·4	⊂⊃ ; fine generally, but thundery-looking P.M.
	2·0	8·6	11·4	13·4	13·3	12·8	13·5	13·1	13·5	13·3	13·5	16·2	17·1	14·6	11·0	9·5	2·1	198·9	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR.

TEMPERATURE† IN DEGREES ABSOLUTE,—DRY-BULB. JULY, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	81·4	81·4	80·9	80·9	80·9	81·1	81·8	82·2	82·8	83·9	85·2	85·4	84·1	83·9	85·4	85·9	85·9	85·8	85·1	84·3	82·2	81·1	80·3	79·6	79·7	82·9
2	79·7	79·6	79·6	79·5	79·6	80·0	80·2	81·4	82·3	83·0	83·8	84·6	86·3	85·4	86·9	84·1	85·7	85·6	84·8	83·0	82·1	80·9	80·7	80·3	80·1	82·5
3	80·1	79·1	77·8	78·7	79·0	79·8	82·1	81·9	83·0	84·8	86·0	86·6	85·7	86·4	86·3	86·0	85·7	85·1	84·1	83·9	83·5	82·8	82·4	82·5	82·6	83·1
4	82·6	82·6	83·2	83·3	83·3	83·4	83·6	83·8	84·2	85·5	85·8	86·0	86·9	87·5	87·4	86·3	86·2	85·9	86·4	85·8	85·9	85·6	85·4	85·7	85·7	85·2
5	85·7	85·7	85·9	85·7	85·7	85·8	86·1	87·3	87·0	87·5	88·4	88·7	87·4	88·4	87·6	88·0	88·5	88·2	87·9	87·4	86·7	86·3	86·2	86·2	85·8	87·0
6	85·8	85·2	85·3	85·2	85·2	84·8	85·2	86·3	87·4	89·0	88·2	88·4	88·4	87·9	89·2	88·7	88·4	88·5	88·5	88·4	88·0	87·6	87·4	86·9	86·7	87·3
7	86·7	87·2	86·8	86·9	86·6	86·6	86·9	87·8	88·2	89·1	89·4	89·8	90·1	90·3	89·7	90·4	90·2	90·1	90·2	89·7	89·5	88·7	88·4	88·4	88·0	88·7
8	88·0	87·9	88·5	88·4	88·0	87·8	87·8	88·5	89·3	89·8	91·9	91·1	90·9	92·5	91·3	89·0	90·2	88·7	87·1	86·3	85·2	84·5	84·0	83·8	83·7	88·3
9	83·7	83·5	83·0	82·6	81·3	80·9	84·1	86·0	87·3	87·5	88·6	89·5	90·6	90·7	91·3	91·3	91·5	90·8	89·6	87·9	85·8	83·6	81·9	80·9	80·1	86·3
10	80·1	78·0	78·4	79·1	77·3	78·6	81·7	85·7	88·1	89·5	90·8	91·9	92·3	93·2	94·5	94·5	95·1	95·2	94·9	92·9	90·1	88·0	86·1	84·2	82·8	87·6
11	82·8	81·6	81·7	80·6	80·1	82·2	85·1	89·0	92·3	94·1	95·1	95·8	96·5	96·6	97·2	97·4	97·4	97·3	96·7	94·0	92·3	87·4	85·2	83·0	83·6	90·1
12	83·6	82·3	82·8	83·1	81·2	83·7	86·7	90·4	93·8	96·0	97·4	98·4	99·5	00·2	99·7	00·7	00·8	99·6	96·4	94·9	92·4	91·3	89·1	88·1	86·5	92·2
13	86·5	85·2	84·8	85·2	85·7	86·1	87·8	91·5	92·6	92·8	94·6	95·7	96·3	96·9	97·8	97·4	97·2	95·8	94·7	93·5	91·6	89·1	87·5	86·7	85·4	91·4
14	85·4	84·6	83·7	82·8	82·3	82·9	85·2	87·6	91·4	93·5	95·6	96·8	97·4	97·6	97·9	97·9	97·4	96·1	94·6	93·5	90·9	90·1	89·1	88·6	87·1	91·0
15	87·1	85·9	84·7	83·6	83·1	83·4	84·1	84·5	85·8	86·6	87·0	87·8	88·7	90·0	91·3	91·3	90·7	92·0	89·6	87·8	87·4	86·3	85·8	84·9	84·7	87·0
16	84·7	84·6	84·7	84·4	85·2	85·5	85·4	85·2	86·2	86·3	88·1	88·2	89·3	90·9	90·8	90·6	91·0	89·7	89·2	87·9	86·0	85·0	84·9	85·2	85·2	87·1
17	85·2	85·2	84·5	84·5	84·3	84·3	84·1	84·6	85·0	85·4	85·7	86·1	86·0	86·8	86·7	86·1	85·6	85·2	85·1	85·3	85·6	84·7	84·5	84·2	84·0	85·2
18	84·0	83·8	83·4	82·9	83·5	83·6	83·5	83·7	84·4	84·7	85·6	86·3	86·8	86·9	88·7	88·1	87·8	87·8	86·7	85·3	84·7	83·7	82·4	81·5	82·8	85·0
19	82·8	82·3	81·8	81·9	81·7	81·7	82·6	83·9	84·9	85·3	85·4	85·8	87·0	86·7	86·4	87·3	87·1	87·8	87·5	86·9	86·7	84·4	83·8	83·3	83·2	84·8
20	83·2	83·0	82·9	83·5	83·8	84·0	86·3	86·9	87·2	87·7	87·7	87·6	87·4	87·4	87·0	87·1	86·6	86·6	86·3	86·1	87·4	86·9	87·4	88·0	87·9	86·3
21	87·9	87·7	88·0	87·9	88·0	88·0	88·0	88·0	88·1	87·9	87·8	87·9	88·1	88·5	88·6	88·6	88·4	88·1	87·9	87·5	87·4	87·3	87·2	87·2	87·2	87·9
22	87·2	87·2	87·9	87·1	86·1	86·1	85·7	86·0	86·9	87·9	87·6	87·9	87·9	88·7	89·1	88·5	88·5	86·6	86·3	85·8	85·2	83·6	82·0	81·6	81·3	86·4
23	81·3	81·3	81·8	80·7	80·9	80·3	81·1	83·4	84·3	84·6	84·9	86·0	87·2	87·3	87·4	88·0	89·1	89·7	88·1	86·3	85·7	83·4	83·6	84·8	83·0	84·7
24	83·0	81·5	81·2	80·8	79·2	80·2	81·1	83·1	85·4	85·8	86·9	87·8	89·2	89·1	89·9	89·5	89·8	89·2	88·6	88·0	87·1	86·3	85·7	84·6	85·4	85·6
25	85·4	85·8	85·4	86·1	86·1	86·2	86·3	86·3	86·2	87·2	87·5	88·0	88·8	88·9	89·6	89·1	89·3	88·6	88·2	87·4	85·2	84·8	84·5	83·0	81·1	86·7
26	81·1	80·2	79·7	79·8	80·4	80·8	81·8	83·0	84·7	86·7	87·4	89·1	89·0	89·1	89·6	91·3	90·9	90·9	89·9	90·2	88·4	87·4	86·5	85·2	85·2	86·0
27	85·2	84·0	84·7	84·8	85·0	86·4	86·6	86·9	86·9	87·6	87·7	88·5	88·6	88·5	88·2	88·6	87·4	88·3	88·6	88·0	87·2	87·1	86·9	88·0	89·3	87·2
28	89·3	89·5	89·8	89·7	89·6	89·3	89·1	89·1	89·2	88·9	88·8	89·2	89·4	91·1	91·3	91·8	91·9	92·0	91·9	91·7	89·5	86·8	86·1	85·8	85·6	89·5
29	85·6	87·4	87·8	87·7	88·1	88·6	88·6	89·7	89·2	90·2	92·8	93·5	95·1	93·4	92·2	90·1	90·1	89·6	89·3	88·6	88·4	88·1	88·4	88·1	88·0	89·7
30	88·0	87·9	88·2	88·7	88·5	88·3	90·1	92·2	92·6	93·5	93·6	91·2	92·4	93·5	92·6	92·9	93·7	93·0	91·3	91·0	89·8	89·0	88·0	88·5	88·4	90·8
31	88·4	87·6	87·6	86·3	86·9	86·8	87·5	89·1	90·0	91·3	92·1	92·3	93·7	93·0	93·0	93·6	92·5	93·1	91·7	91·2	90·1	89·1	87·4	87·4	87·1	90·0
Mean ...	84·6	84·2	84·1	83·9	83·8	84·1	85·0	86·3	87·3	88·2	88·9	89·4	89·9	90·2	90·5	90·3	90·3	90·0	89·3	88·4	87·4	86·2	85·4	85·0	84·7	87·2
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR.

RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). JULY, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	86	86	90	93	91	89	88	82	81	77	80	72	87	80	78	80	85	79	78	80	82	82	85	85	83	83·1
2	83	85	85	86	84	82	80	78	75	73	67	65	76	78	80	79	75	75	80	84	83	78	81	81	81	78·9
3	81	85	88	84	86	84	77	79	75	70	62	72	82	80	83	80	83	89	90	90	88	89	96	96	99	83·2
4	99	99	99	97	94	97	98	100	100	97	94	95	89	88	91	97	100	100	100	100	100	100	100	100	100	97·3
5	100	100	100	100	100	100	100	99	100	99	95	95	100	96	100	99	99	96	97	99	100	100	97	96	100	98·6
6	100	100	100	100	100	100	100	89	82	75	82	88	85	88	86	88	88	86	85	86	92	92	93	99	100	91·0
7	100	98	100	100	100	100	100	91	98	91	93	89	85	87	91	87	90	94	96	94	90	99	100	98	95	94·5
8	95	94	93	96	98	97	95	92	91	84	79	81	85	77	80	88	82	87	84	86	81	87	82	80	83	87·0
9	83	85	84	84	85	85	79	73	67	61	61	61	61	60	61	60	64	68	72	76	80	84	88	90	88	74·0
10	88	98	95	92	93	88	82	76	71	74	48	45	50	50	48	44	47	56	60	69	76	89	96	97	96	72·3
11	96	95	97	99	94	97	88	83	62	53	64	70	77	71	73	72	74	76	75	84	79	88	80	86	78	80·2
12	78	80	80	74	70	66	60	54	48	42	42	43	43	44	48	46	67	76	71	68	79	74	81	86	89	63·6
13	89	91	89	88	83	82	85	72	66	47	51	51	52	52	54	52	53	58	61	72	76	84	87	90	95	70·3
14	95	94	97	100	98	98	92	91	87	70	49	50	43	50	50	50	52	64	71	74	83	83	86	90	97	75·8
15	97	99	95	93	91	86	84	83	75	77	73	68	68	64	59	59	68	60	60	68	61	62	68	74	74	74·2
16	74	75	78	88	87	80	78	80	82	83	75	79	80	70	70	67	65	70	71	77	83	82	84	83	85	77·8
17	85	87	97	95	97	92	99	93	95	96	94	87	87	82	88	96	97	100	100	99	96	92	88	86	87	92·9
18	87	90	89	96	94	87	94	89	83	81	81	76	75	75	70	74	63	70	70	74	73	74	80	85	82	80·3
19	82	88	89	92	88	89	89	82	73	73	67	69	64	65	74	72	74	69	72	72	78	89	92	95	97	79·3
20	97	99	98	99	100	100	98	100	100	90	97	100	99	100	100	91	97	94	94	100	93	95	100	100	100	97·6
21	100	100	96	97	96	96	98	100	100	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98	99·2
22	98	98	96	99	95	91	94	88	74	67	67	66	65	63	61	66	72	78	75	75	76	84	91	90	94	80·3
23	94	93	93	99	93	92	95	89	82	76	77	73	72	67	70	71	68	54	60	79	82	89	92	85	93	81·0
24	93	97	98	99	99	99	97	98	90	82	78	76	65	79	76	77	78	76	74	71	75	78	80	87	84	84·0
25	84	83	93	96	100	100	100	100	100	100	98	94	91	90	77	78	80	84	87	94	88	91	89	87	96	91·3
26	96	92	100	92	97	99	96	100	97	89	86	81	80	83	83	74	78	72	79	81	85	91	96	96	97	88·5
27	97	99	100	100	100	100	97	97	100	98	99	99	100	97	100	99	100	99	94	100	100	100	100	100	98	99·0
28	98	100	100	100	100	100	100	100	99	100	100	98	98	90	88	79	82	78	83	82	91	99	100	100	100	94·4
29	100	100	100	100	100	100	99	95	98	91	82	79	79	76	80	93	95	97	98	100	100	100	100	100	100	94·3
30	100	100	100	100	100	100	94	85	81	80	78	85	75	73	71	69	75	79	80	81	89	93	99	97	96	86·8
31	96	98	91	100	100	100	99	84	76	74	66	63	56	62	62	62	70	65	74	79	90	94	99	99	99	81·7
Mean ...	92·0	93·2	93·9	94·8	94·0	92·8	91·5	87·8	84·1	79·6	76·9	76·5	76·4	75·4	75·9	75·8	78·1	79·0	80·4	83·7	85·5	88·5	90·6	91·5	92·4	84·9
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** AUGUST, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.
Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA.

DAILY EXTREMES of PRESSURE* and TEMPERATURE†. AUGUST, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0131	·0010	92·3	87·4	9	·0227	·0126	92·0	85·4	17	·0181	·0163	92·2	87·4	25	·0125	·0062	91·1	87·0
2	·0130	·0043	91·3	87·3	10	·0240	·0226	91·3	83·2	18	·0175	·0142	92·4	84·6	26	·0121	·0076	91·3	87·2
3	·0139	·0078	91·2	86·8	11	·0226	·0165	93·7	82·8	19	·0142	·0081	91·6	86·8	27	·0104	·0070	91·8	87·2
4	·0139	·0029	91·2	86·6	12	·0166	·0120	93·9	88·5	20	·0086	·0037	92·6	86·0	28	·0100	·0060	91·6	86·7
5	·0074	·0035	90·7	86·7	13	·0192	·0143	94·0	88·2	21	·0094	·0028	92·1	86·5	29	·0212	·0100	91·2	84·8
6	·0142	·0038	92·0	86·8	14	·0199	·0183	95·7	87·2	22	·0131	·0093	90·9	84·6	30	**·0242**	·0212	90·5	83·4
7	·0155	·0137	91·7	88·7	15	·0196	·0176	**97·3**	89·1	23	·0126	·0002	91·3	**82·2**	31	·0226	·0150	91·3	87·1
8	·0154	·0086	93·0	88·6	16	·0182	·0169	95·9	90·2	24	·0063	**·9972**	90·9	87·4	Mean.	—	—	92·3	86·5

TABLE II.

VALENCIA.

AUGUST, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.
The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0013	·0012	·0013	·0013	·0013	·0014	·0018	·0020	·0023	·0033	·0041	·0043	·0054	·0062	·0069	·0075	·0084	·0094	·0100	·0106	·0115	·0120	·0125	·0131	·0130	·0060
2	·0130	·0128	·0125	·0123	·0117	·0113	·0108	·0104	·0104	·0096	·0084	·0075	·0065	·0051	·0047	·0051	·0055	·0061	·0070	·0077	·0083	·0092	·0091	·0091	·0089	·0088
3	·0089	·0090	·0088	·0081	·0079	·0082	·0083	·0089	·0095	·0100	·0104	·0107	·0110	·0115	·0120	·0122	·0122	·0125	·0127	·0130	·0134	·0138	·0139	·0139	·0139	·0110
4	·0139	·0138	·0134	·0131	·0127	·0126	·0123	·0122	·0120	·0117	·0113	·0104	·0101	·0090	·0078	·0067	·0055	·0045	·0037	·0033	·0029	·0033	·0036	·0041	·0047	·0087
5	·0047	·0045	·0043	·0040	·0036	·0036	·0040	·0042	·0044	·0046	·0047	·0050	·0050	·0049	·0048	·0054	·0058	·0059	·0062	·0064	·0067	·0071	·0070	·0069	·0067	·0052
6	·0067	·0067	·0059	·0055	·0043	·0040	·0044	·0046	·0053	·0060	·0068	·0079	·0088	·0094	·0095	·0100	·0103	·0108	·0111	·0118	·0124	·0134	·0137	·0138	·0142	·0086
7	·0142	·0140	·0139	·0138	·0139	·0139	·0141	·0142	·0143	·0145	·0146	·0150	·0152	·0152	·0152	·0152	·0150	·0150	·0147	·0148	·0150	·0154	·0155	·0154	·0154	·0147
8	·0154	·0150	·0149	·0147	·0147	·0147	·0145	·0142	·0141	·0138	·0136	·0130	·0125	·0120	·0114	·0105	·0098	·0092	·0087	·0087	·0091	·0101	·0104	·0115	·0126	·0123
9	·0126	·0136	·0143	·0151	·0155	·0163	·0166	·0174	·0180	·0186	·0187	·0193	·0194	·0196	·0199	·0202	·0203	·0206	·0208	·0212	·0214	·0219	·0222	·0224	·0227	·0188
10	·0227	·0229	·0228	·0229	·0229	·0231	·0233	·0237	·0239	·0240	·0238	·0237	·0237	·0238	·0233	·0232	·0230	·0229	·0230	·0232	·0231	·0233	·0231	·0229	·0226	·0233
11	·0226	·0222	·0219	·0216	·0211	·0208	·0206	·0205	·0203	·0200	·0195	·0193	·0186	·0184	·0179	·0178	·0175	·0172	·0167	·0171	·0167	·0169	·0170	·0167	·0166	·0190
12	·0166	·0160	·0154	·0152	·0151	·0145	·0140	·0133	·0135	·0140	·0135	·0132	·0120	·0124	·0122	·0125	·0126	·0128	·0128	·0132	·0133	·0139	·0141	·0143	·0144	·0137
13	·0144	·0144	·0146	·0149	·0150	·0152	·0155	·0159	·0163	·0169	·0170	·0176	·0176	·0181	·0181	·0184	·0182	·0184	·0181	·0184	·0187	·0189	·0191	·0191	·0190	·0171
14	·0190	·0191	·0188	·0186	·0186	·0187	·0192	·0191	·0197	·0198	·0194	·0193	·0190	·0187	·0192	·0189	·0188	·0189	·0189	·0190	·0193	·0199	·0197	·0198	·0196	·0192
15	·0196	·0190	·0188	·0191	·0187	·0188	·0189	·0187	·0190	·0190	·0186	·0184	·0181	·0182	·0183	·0181	·0178	·0178	·0180	·0178	·0178	·0181	·0181	·0181	·0179	·0184
16	·0179	·0178	·0175	·0173	·0170	·0171	·0170	·0171	·0171	·0172	·0174	·0174	·0175	·0176	·0176	·0177	·0177	·0174	·0175	·0174	·0179	·0180	·0181	·0180	·0179	·0175
17	·0179	·0179	·0174	·0172	·0167	·0166	·0164	·0164	·0163	·0163	·0163	·0163	·0163	·0164	·0164	·0165	·0165	·0168	·0169	·0169	·0171	·0174	·0174	·0175	·0175	·0168
18	·0175	·0174	·0170	·0167	·0163	·0165	·0167	·0167	·0168	·0169	·0169	·0165	·0162	·0159	·0155	·0152	·0147	·0146	·0145	·0144	·0143	·0144	·0145	·0145	·0142	·0158
19	·0142	·0135	·0130	·0122	·0118	·0113	·0113	·0110	·0109	·0108	·0103	·0104	·0097	·0099	·0096	·0093	·0092	·0088	·0084	·0082	·0085	·0087	·0087	·0087	·0086	·0102
20	·0086	·0081	·0077	·0071	·0069	·0069	·0066	·0064	·0066	·0065	·0063	·0061	·0058	·0056	·0050	·0045	·0044	·0039	·0038	·0037	·0039	·0040	·0039	·0040	·0038	·0056
21	·0038	·0035	·0034	·0032	·0028	·0032	·0034	·0037	·0038	·0041	·0043	·0050	·0055	·0056	·0056	·0057	·0058	·0060	·0062	·0066	·0073	·0081	·0087	·0091	·0094	·0053
22	·0094	·0094	·0094	·0094	·0095	·0097	·0098	·0104	·0109	·0111	·0113	·0114	·0113	·0115	·0114	·0114	·0115	·0117	·0118	·0120	·0124	·0128	·0131	·0128	·0126	·0111
23	·0126	·0123	·0121	·0121	·0117	·0115	·0116	·0113	·0115	·0114	·0111	·0110	·0110	·0106	·0102	·0093	·0087	·0083	·0077	·0069	·0060	·0050	·0039	·0018	·0002	·0093
24	·0002	·9982	·9973	·9981	·9982	·9986	·9988	·9991	·9992	·9997	·9999	·0004	·0010	·0016	·0020	·0023	·0028	·0033	·0036	·0042	·0048	·0055	·0057	·0062	·0063	·0014
25	·0063	·0063	·0064	·0065	·0065	·0067	·0069	·0074	·0080	·0086	·0090	·0094	·0100	·0103	·0104	·0107	·0107	·0111	·0115	·0119	·0122	·0125	·0125	·0122	·0121	·0095
26	·0121	·0118	·0110	·0105	·0098	·0095	·0096	·0093	·0091	·0085	·0077	·0078	·0079	·0080	·0083	·0089	·0094	·0096	·0098	·0103	·0107	·0107	·0108	·0106	·0104	·0096
27	·0104	·0101	·0099	·0095	·0089	·0088	·0088	·0086	·0086	·0088	·0087	·0086	·0084	·0083	·0082	·0080	·0078	·0075	·0071	·0072	·0076	·0078	·0077	·0075	·0073	·0084
28	·0073	·0071	·0070	·0067	·0066	·0067	·0067	·0067	·0067	·0065	·0064	·0064	·0061	·0062	·0062	·0064	·0067	·0070	·0077	·0078	·0087	·0092	·0095	·0098	·0100	·0072
29	·0100	·0103	·0104	·0108	·0113	·0118	·0124	·0131	·0137	·0140	·0144	·0148	·0151	·0155	·0166	·0169	·0174	·0183	·0187	·0190	·0195	·0202	·0206	·0209	·0212	·0155
30	·0212	·0215	·0214	·0213	·0214	·0215	·0217	·0223	·0230	·0234	·0236	·0237	·0238	·0240	·0242	·0241	·0236	·0237	·0237	·0236	·0236	·0237	·0235	·0230	·0226	·0230
31	·0226	·0217	·0213	·0209	·0201	·0195	·0192	·0192	·0188	·0187	·0182	·0182	·0179	·0177	·0170	·0167	·0162	·0160	·0159	·0158	·0154	·0161	·0156	·0155	·0150	·0179
Mean...	1·0 1283	1·0 1262	1·0 1238	1·0 1225	1·0 1202	1·0 1203	1·0 1210	1·0 1219	1·0 1239	1·0 1253	1·0 1246	1·0 1252	1·0 1246	1·0 1249	1·0 1243	1·0 1243	1·0 1238	1·0 1245	1·0 1249	1·0 1265	1·0 1289	1·0 1327	1·0 1333	1·0 1333	1·0 1327	1·0 1255
Normals 1871–1910.	1·0 1331	1·0 1314	1·0 1295	1·0 1274	1·0 1254	1·0 1250	1·0 1264	1·0 1278	1·0 1295	1·0 1305	1·0 1314	1·0 1321	1·0 1321	1·0 1321	1·0 1321	1·0 1312	1·0 1301	1·0 1298	1·0 1298	1·0 1305	1·0 1321	1·0 1338	1·0 1341	1·0 1334	1·0 1324	1·0 1304

(22222—24.) Wt. 41466—310. 250. 12/11. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	12	3·1	12	2·7	13	4·0	13	4·5	13	4·9	13	4·9	13	5·4	14	6·7	14	6·7	14	5·4	15	6·3	16	6·7
2	16	2·7	16	3·1	16	4·0	15	4·0	15	4·0	15	5·4	15	6·7	14	6·3	14	8·1	14	10·3	14	8·5	14	8·9
3	15	5·8	15	6·3	15	6·3	16	5·8	16	5·4	16	5·4	18	6·7	18	6·3	18	6·7	18	6·7	18	8·1	19	8·1
4	19	1·8	19	2·7	17	2·2	17	2·7	16	2·2	16	3·1	14	3·6	14	2·2	14	3·1	14	3·6	14	4·9	14	4·5
5	23	1·8	—	0·0	—	0·9	20	3·1	20	3·6	20	4·0	20	4·5	20	3·1	21	4·5	20	5·4	20	5·8	20	7·2
6	16	4·5	16	4·5	16	5·4	15	6·7	16	8·1	18	8·1	18	8·1	18	7·6	19	8·9	19	7·2	19	6·3	19	5·8
7	15	5·4	15	5·4	15	5·4	15	5·4	15	5·4	15	5·8	14	6·3	14	6·7	14	6·3	14	6·3	15	6·7	15	6·7
8	14	6·7	14	6·3	14	5·8	14	5·8	14	5·4	14	4·9	14	5·8	14	6·7	14	8·1	14	8·1	14	8·9	13	8·9
9	18	8·1	20	8·5	20	8·1	20	5·4	20	4·5	20	3·1	20	1·8	20	2·7	19	3·1	19	3·1	19	3·1	19	3·1
10	—	0·9	20	1·8	20	1·8	20	1·8	20	1·8	20	1·8	—	1·3	—	0·9	—	0·9	20	1·8	20	2·2	20	3·1
11	—	0·9	1	1·8	—	1·3	—	0·9	2	1·8	—	1·3	—	1·3	2	1·8	2	2·2	2	3·1	2	3·6	3	4·9
12	—	0·9	—	0·9	—	0·0	2	1·8	—	1·3	—	0·9	2	2·7	4	6·3	5	4·5	27	3·1	4	4·0	6	4·5
13	8	1·8	—	0·5	—	0·5	—	0·9	—	0·0	—	0·0	—	0·9	—	0·5	—	0·9	—	0·9	17	1·8	21	1·8
14	31	1·8	—	0·5	—	1·3	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·5	29	1·8	26	1·8	27	1·8
15	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	30	1·8	—	0·9	—	0·0	—	0·9	24	1·8	24	1·8
16	7	4·0	7	3·6	7	2·7	7	3·1	9	4·0	9	4·9	10	4·5	10	5·4	11	4·9	11	4·5	13	5·8	13	4·5
17	13	5·4	13	5·8	13	4·5	13	4·5	13	4·5	13	5·4	13	5·4	13	5·4	13	5·4	13	4·5	13	5·4	13	4·9
18	—	0·9	1	2·2	—	1·3	32	1·8	—	0·9	—	0·9	—	0·5	—	0·0	1	3·1	1	4·5	32	3·1	3	1·8
19	—	1·3	—	0·5	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	5	1·8	26	3·1	26	5·4
20	—	0·5	—	0·9	—	0·5	—	0·0	—	0·5	—	0·9	—	0·0	—	0·0	—	0·0	32	2·7	30	3·6	30	4·5
21	—	0·5	—	0·5	—	0·5	—	1·3	4	1·8	—	0·5	—	0·9	3	3·1	3	4·5	3	6·7	2	6·7	2	5·8
22	2	4·5	2	4·5	2	4·9	2	4·0	2	4·0	1	5·4	1	5·4	1	4·5	1	4·9	1	4·5	*32*	*4·5*	*32*	*4·5*
23	—	0·0	—	0·0	—	0·9	—	0·5	—	0·9	—	0·9	—	0·5	—	0·0	—	0·0	—	0·5	7	3·1	20	3·1
24	13	7·2	16	7·6	20	7·2	21	8·9	21	6·7	20	7·6	21	5·4	20	5·4	20	6·3	20	7·2	21	8·9	21	8·9
25	21	5·4	21	6·7	21	5·8	21	4·0	21	3·1	20	4·0	20	4·5	21	6·7	21	7·2	21	6·7	21	6·7	22	7·2
26	17	3·1	16	2·7	15	4·5	15	4·5	15	5·4	16	4·9	16	5·4	15	5·4	15	5·8	15	6·7	16	5·4	17	6·7
27	—	1·3	17	2·7	16	2·7	16	2·7	16	3·1	16	3·1	16	1·8	16	1·8	17	3·1	16	3·1	15	3·1	15	3·6
28	16	3·1	15	3·1	16	3·1	16	3·6	16	3·6	17	4·5	16	4·5	17	4·9	17	6·7	16	6·7	18	6·3	18	6·7
29	20	5·4	20	6·3	21	7·2	21	6·7	21	7·2	21	5·8	21	7·6	20	8·1	21	7·6	21	8·1	21	7·6	20	7·2
30	—	0·5	—	0·5	—	0·5	—	0·0	—	0·5	—	0·0	—	0·5	—	0·5	21	3·1	22	3·6	22	3·6	22	4·0
31	16	4·0	15	4·5	15	4·5	15	5·4	16	6·3	16	5·4	16	5·4	16	5·4	16	6·3	16	5·8	16	5·8	17	7·2
Mean ...	—	3·0	—	3·2	—	3·2	—	3·3	—	3·3	—	3·4	—	3·6	—	3·8	—	4·3	—	4·7	—	5·0	—	5·3
Normals 1881-1910.	—	4·2	—	4·1	—	4·0	—	4·0	—	4·0	—	3·9	—	4·1	—	4·4	—	4·9	—	5·1	—	5·2	—	5·7

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. AUGUST, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51	—	—	—	—	—	—	—	—	—	—	—	1·02
2	—	—	—	—	—	—	—	0·76	1·27	2·28	3·81	5·08	0·76	1·02	—	—	—	—	—	—	—	0·76	1·02	—	16·76
3	—	2·03	1·27	2·28	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·83
4	—	—	—	—	1·02	—	—	—	—	—	—	—	—	—	0·76	—	0·51	0·51	0·25	0·25	—	—	—	—	3·30
5	—	—	0·76	0·25	—	—	—	1·02	—	—	—	—	—	0·76	—	—	—	—	0·76	—	—	—	—	—	3·55
6	—	1·27	0·51	0·76	0·51	2·28	1·02	0·76	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	7·86
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·76	0·76	1·77
8	0·76	1·27	0·51	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	3·29
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	0·51	—	10·41	1·27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12·19
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	0·25
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	0·25	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	1·00
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	1·02	2·54	3·81	8·13
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	4·06	0·25	—	—	—	—	—	—	2·54	0·25	—	—	—	—	—	0·25	—	0·25	—	—	—	—	—	—	7·60
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	0·76	0·25	0·76	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	2·27
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	1·02	—	—	—	—	—	—	—	—	—	—	—	—	—	2·28	—	—	—	—	—	—	3·30
29	0·76	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·01
30	—	—	—	—	—	0·51	0·76	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	1·52
31	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
Sum ...	5·58	5·07	3·05	4·31	1·53	3·55	2·03	13·71	5·83	3·54	4·31	6·34	1·52	2·28	0·76	0·25	0·51	3·04	1·01	0·50	0·76	2·03	4·82	4·57	80·90
Normals 1871-1910.	5·43	4·90	4·95	6·14	7·03	6·63	6·65	5·61	6·07	5·18	4·39	4·57	3·96	4·09	4·77	4·80	5·00	5·59	5·71	5·10	4·98	5·31	5·03	5·43	127·32

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. AUGUST, 1911.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
16	6·7	16	7·2	16	6·7	17	6·7	17	5·8	18	5·8	18	4·5	17	3·1	16	3·1	16	3·1	16	2·7	16	2·7	5·0	1
14	11·2	14	9·4	14	8·1	15	9·4	16	8·1	17	8·1	16	6·7	16	6·7	16	5·8	16	4·9	16	5·4	16	6·3	6·8	2
19	7·2	18	8·1	18	7·2	18	8·1	18	7·2	19	5·4	19	6·3	19	3·1	19	3·1	19	3·1	19	3·1	19	3·1	5·9	3
12	4·5	10	4·9	8	4·5	10	5·4	11	4·0	12	4·0	13	3·1	13	2·7	15	3·1	17	2·2	23	6·7	23	4·5	3·6	4
19	6·7	18	6·7	20	8·9	20	8·1	20	7·6	20	5·8	20	5·4	20	4·5	20	4·5	20	4·9	20	4·9	19	4·9	4·9	5
19	7·6	19	7·6	19	7·2	19	6·7	20	7·2	19	6·7	20	6·7	19	6·7	17	5·4	18	4·9	16	5·4	16	4·5	6·6	6
15	7·6	15	6·7	15	7·2	15	6·7	15	6·7	15	7·2	15	7·2	15	6·7	15	6·7	14	7·2	14	6·7	14	5·8	6·4	7
13	10·3	12	9·8	12	10·3	12	10·3	12	12·1	12	12·1	13	11·2	13	9·4	14	7·2	14	6·3	14	5·4	17	7·6	8·1	8
18	4·5	18	3·6	19	4·0	19	5·4	20	5·4	20	4·5	20	4·0	20	2·2	—	1·3	—	0·9	—	0·9	—	1·3	3·9	9
21	4·5	21	4·0	21	4·5	21	4·5	21	4·0	21	2·7	21	1·8	—	0·9	—	0·5	21	1·8	32	2·2	32	1·8	2·2	10
8	4·5	8	4·5	2	4·5	1	3·6	1	4·5	1	3·1	1	1·8	30	2·7	—	0·9	—	0·5	—	0·9	—	0·5	2·4	11
8	4·9	11	4·9	8	5·8	7	4·5	8	5·4	7	4·5	8	6·7	8	8·1	8	5·8	8	4·5	8	4·9	8	3·1	3·9	12
24	3·1	24	2·2	24	3·1	24	2·2	25	2·7	25	2·7	25	1·8	—	0·5	—	0·5	—	0·5	—	0·9	—	1·3	1·3	13
—	0·9	—	1·3	—	0·9	—	0·9	—	0·5	14	3·1	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	1·1	14
24	2·2	18	2·7	17	2·7	19	2·2	19	2·2	—	1·3	13	4·0	11	1·8	—	0·9	—	0·9	4	3·1	6	4·0	1·7	15
13	5·8	13	5·8	13	4·9	14	4·5	14	4·0	14	4·0	14	4·0	14	2·2	14	3·6	14	5·4	13	5·4	13	4·9	4·5	16
13	5·4	13	4·9	13	4·0	16	4·0	24	3·1	25	3·6	25	3·1	25	3·6	26	4·0	26	3·1	26	4·5	26	2·7	4·5	17
2	1·8	32	4·0	32	5·4	32	5·4	32	5·4	29	4·5	29	2·7	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	2·3	18
26	5·4	26	5·4	26	4·9	26	5·4	26	4·9	26	4·5	26	4·9	26	4·5	26	4·0	26	1·8	—	0·9	—	0·0	2·7	19
30	5·4	28	5·4	28	4·5	28	3·1	30	2·7	30	2·2	—	0·9	—	0·9	—	0·5	—	0·0	—	0·0	—	0·0	1·7	20
2	5·8	1	5·8	1	7·6	1	6·3	1	6·7	1	5·8	1	5·8	1	5·8	1	6·3	1	5·4	1	7·2	1	4·9	4·4	21
32	*4·9*	32	*4·9*	32	*4·9*	32	*5·4*	32	*5·4*	32	*5·4*	32	3·1	32	3·1	—	0·5	—	0·0	—	0·0	—	0·0	4·0	22
22	3·1	25	3·1	22	2·7	18	1·8	15	3·1	15	2·7	15	3·1	15	3·6	13	5·4	13	5·4	12	6·7	13	7·6	2·4	23
21	9·4	21	9·8	21	9·8	20	9·4	21	8·5	21	8·1	21	6·3	21	5·8	22	6·7	21	5·8	21	5·4	21	5·8	7·4	24
22	7·2	22	7·2	22	7·2	22	5·4	22	4·5	21	4·9	21	3·6	21	3·1	21	1·8	19	1·8	17	2·2	17	2·2	5·0	25
19	6·7	21	7·2	23	4·9	23	4·5	22	5·4	22	4·5	22	3·1	22	1·8	—	0·9	—	0·9	—	1·3	18	1·8	4·3	26
15	4·9	18	5·4	19	5·4	17	4·5	16	4·5	16	4·0	19	4·5	19	3·1	17	3·1	16	3·1	15	3·6	16	3·1	3·4	27
17	8·1	17	7·6	20	8·1	20	8·1	20	7·6	22	6·7	20	5·4	20	5·4	20	5·4	20	5·4	20	4·9	19	5·8	5·6	28
21	7·2	23	7·2	23	7·2	23	5·4	24	5·4	25	4·5	24	3·1	24	2·2	—	0·9	—	0·0	—	0·0	—	0·9	5·4	29
22	5·4	22	6·3	22	5·4	21	3·6	20	4·5	20	3·1	19	1·8	18	1·8	17	2·7	16	2·2	16	3·1	16	4·0	2·6	30
16	7·2	16	8·1	15	8·5	16	7·2	16	7·2	16	6·7	15	6·3	15	6·7	15	5·8	15	6·3	15	5·4	15	5·4	6·1	31
—	5·8	—	5·9	—	5·8	—	5·4	—	5·4	—	4·9	—	4·4	—	3·7	—	3·3	—	3·0	—	3·4	—	3·3	4·2	Normals 1881-1910.
—	6·0	—	6·0	—	6·0	—	5·9	—	5·6	—	5·3	—	4·7	—	4·4	—	4·2	—	4·1	—	4·1	—	4·1	4·8	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. AUGUST, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·6	·5	1·0	·6	·6	·9	1·0	1·0	1·0	1·0	·6	·7	·1	—	9·6	Showery about noon, rest of day fine.
2	—	—	—	—	—	—	—	—	—	·4	1·0	·9	·2	·3	·2	—	—	3·0	A.M. heavy mist and ●; P.M. generally
3	—	—	·5	·1	·1	·5	1·0	·8	1·0	·5	1·0	·6	·4	·4	·2	—	—	7·1	Fair, with good visibility. [fair, but ● [22h.–23h.
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, misty, and showery.
5	—	—	—	·5	·4	1·0	·9	1·0	1·0	·4	·6	1·0	1·0	·2	·2	—	—	8·2	Fair and clear intervals between ● show-
6	—	—	—	—	—	—	·2	·4	·5	·7	·1	—	—	—	—	—	—	1·9	Dull day, improving 10h.–14h. [ers.
7	—	—	—	·1	·9	1·0	·9	·4	—	·1	·2	—	—	—	—	—	—	3·6	Fair to dull and gloomy.
8	—	—	—	·6	·2	·9	1·0	1·0	1·0	1·0	1·0	·4	—	—	—	—	—	7·1	● early, then fair generally.
9	—	—	—	·1	·1	·1	—	—	·7	·8	·9	·6	1·0	1·0	1·0	·7	—	7·0	Dull to clear and fair.
10	—	·3	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·2	—	12·9	☀; fine.
11	—	·7	1·0	1·0	1·0	·9	1·0	1·0	·9	·8	·7	—	—	—	—	—	—	9·0	☀; bright till 14h., then cloudy.
12	—	—	—	—	—	—	—	—	—	·1	·1	—	—	—	·4	—	—	0·6	K² and ●² about 8h.; dull.
13	—	—	·2	·9	·5	1·0	·8	·7	·1	1·0	1·0	1·0	1·0	1·0	·9	—	—	10·1	∞; fair to fine.
14	—	—	·2	—	—	—	·6	·3	·2	—	—	—	—	·4	·4	—	—	2·1	∞; fair to dull.
15	—	—	·7	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	—	12·0	Fine, but hazy.
16	—	—	·1	·5	·1	·1	·2	·2	1·0	1·0	1·0	1·0	1·0	1·0	·9	—	—	8·1	Fair.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋⁰, ●⁰, overcast.
18	—	·4	1·0	1·0	·7	·5	·8	1·0	1·0	1·0	1·0	1·0	·6	1·0	·6	·6	—	12·2	Fine.
19	—	—	·1	1·0	·7	·9	·1	·8	—	—	·5	1·0	1·0	1·0	·8	—	—	7·9	∞; fair to fine.
20	—	—	—	·5	·9	·7	·2	1·0	1·0	1·0	·3	·1	·3	·5	·9	·5	—	7·9	Fair.
21	—	—	·1	·2	1·0	1·0	1·0	1·0	·3	1·0	1·0	·9	1·0	1·0	1·0	·3	—	10·8	∞; fine.
22	—	—	·1	·9	·5	·5	1·0	·1	1·0	1·0	1·0	·7	·7	·4	·9	·2	—	9·0	Fair during day; fine night.
23	—	·1	·9	·7	·7	·2	·4	·5	1·0	·4	·8	·8	·3	—	—	—	—	6·8	Fine to fair, ⊕ 14h.–16h.; ● at night.
24	—	—	·6	·9	·2	·2	1·0	·9	·8	1·0	1·0	·8	·7	·7	·8	·1	—	9·7	Showery to clear; unsettled-looking later.
25	—	—	—	·9	·6	·8	1·0	·5	·9	·9	1·0	1·0	·1	—	—	—	—	7·7	Fair to dull; clear atmosphere.
26	—	—	—	—	—	—	—	—	—	—	·1	·1	·1	·1	·1	—	—	0·4	Misty and showery, clearing a little in
27	—	—	—	—	—	—	—	—	—	·3	—	—	—	—	·4	—	—	0·7	Dull. [afternoon.
28	—	—	·3	1·0	1·0	·9	1·0	1·0	·7	·9	·8	·8	1·0	·6	·6	—	—	10·6	● at 4h. and 18h., otherwise fine and clear.
29	—	—	·4	1·0	·2	·8	·8	·9	·5	1·0	1·0	1·0	·9	·8	·9	·1	—	10·3	☀ early, then fine.
30	—	—	·3	·5	·9	1·0	1·0	·6	·4	·7	1·0	1·0	1·0	·8	·2	—	—	9·4	A few showers, otherwise fine.
31	—	—	—	—	—	·3	·1	—	—	—	·3	·9	·5	·6	—	—	—	2·7	Fair at intervals.
	—	—	1·5	7·3	14·8	13·1	16·3	17·6	16·7	16·9	19·0	20·3	18·6	15·8	14·4	13·3	2·8	—	208·4	Total.
	—	—	0·95	5·93	8·72	10·44	11·91	12·66	13·03	13·40	13·82	13·65	13·44	12·82	11·20	8·29	2·20	—	152·46	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. AUGUST, 1911.

First figure (2 or 3) omitted; in table I the 3 is inserted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	88·8	88·4	88·6	88·7	88·8	89·0	89·0	89·5	90·3	90·6	91·0	92·3	91·0	90·3	91·5	91·1	91·8	91·8	91·1	89·9	89·0	88·5	87·6	87·9	87·9	89·8
2	87·9	87·7	87·9	88·0	88·2	88·7	88·9	89·2	89·5	89·1	89·1	88·8	88·4	89·1	89·4	91·1	90·8	90·7	88·8	89·1	88·7	87·9	88·2	87·9	88·0	88·9
3	88·0	87·8	88·3	88·1	88·0	87·6	87·9	87·8	88·3	89·0	89·8	90·3	90·7	90·7	90·7	90·9	90·9	90·9	89·9	89·8	88·8	87·8	87·5	87·1	87·1	89·0
4	87·1	86·8	87·3	87·0	87·1	87·3	87·1	87·3	88·4	89·0	89·1	89·6	89·3	90·6	90·7	90·6	90·2	90·7	90·4	90·3	89·8	89·3	88·1	88·1	87·6	88·8
5	87·6	87·3	87·3	87·3	87·2	87·0	86·8	87·3	87·9	87·8	88·8	89·3	89·9	90·1	89·9	89·6	90·2	90·3	88·9	88·8	87·6	87·3	87·3	87·5	87·4	88·3
6	87·4	87·8	87·6	87·4	87·1	88·2	88·5	88·5	88·5	88·9	89·0	90·1	90·1	91·4	91·7	90·3	90·1	90·3	90·0	89·9	89·2	89·1	89·2	89·2	89·0	89·2
7	89·0	89·2	89·0	89·2	88·7	89·1	89·0	89·1	89·6	90·7	91·0	91·5	91·1	91·1	91·3	91·2	91·0	90·7	90·3	90·2	89·8	89·6	89·8	89·6	89·5	90·0
8	89·5	89·3	89·3	89·3	89·1	88·9	88·9	89·3	89·5	90·8	91·0	91·8	92·5	92·4	92·5	92·7	92·0	91·8	91·5	91·3	90·1	89·5	88·9	88·8	88·7	90·4
9	88·7	88·1	87·9	87·9	87·7	87·5	87·4	87·7	88·5	88·8	88·9	89·1	89·9	91·2	91·3	91·5	90·7	91·2	90·3	89·5	88·2	87·4	87·1	86·8	85·4	88·8
10	85·4	84·8	85·0	84·9	84·2	83·7	83·5	84·4	87·0	89·1	89·3	89·3	90·2	90·4	90·7	90·6	90·4	90·3	89·9	89·3	88·7	87·8	87·3	85·7	85·2	87·6
11	85·2	84·1	84·0	83·1	83·2	83·1	83·4	85·1	87·8	89·9	90·6	92·0	92·8	93·1	93·5	93·5	92·4	91·8	92·1	91·7	90·3	90·0	89·8	89·5	89·3	88·9
12	89·3	89·6	88·8	89·0	88·8	88·7	89·0	89·1	90·1	90·3	89·6	90·2	92·0	92·3	92·5	93·3	92·9	93·1	93·5	93·4	92·3	91·8	91·8	91·8	91·7	91·0
13	91·7	91·4	90·4	90·6	90·3	90·1	90·0	90·5	91·3	92·1	92·7	93·1	93·2	92·9	93·6	93·4	93·3	92·9	92·2	91·9	90·7	89·7	88·8	88·8	88·2	91·4
14	88·2	87·6	87·9	87·6	87·6	88·4	88·4	89·3	90·5	90·4	92·0	93·8	95·2	95·3	93·8	93·8	93·1	93·1	93·6	92·6	91·2	90·7	90·3	89·6	89·7	91·0
15	89·7	89·8	90·1	90·2	89·8	89·5	89·5	89·6	91·7	92·9	94·0	94·6	95·6	97·2	97·2	97·1	95·6	94·9	94·0	93·9	92·9	91·2	90·5	92·1	92·2	92·7
16	92·2	92·5	92·0	91·7	91·6	92·3	92·4	92·5	93·2	93·1	93·4	94·3	94·6	95·6	94·6	95·3	94·7	94·8	93·6	93·0	92·3	91·9	92·0	92·1	91·7	93·1
17	91·7	91·9	91·8	91·2	90·8	90·4	91·1	91·3	91·5	91·6	91·5	91·5	92·1	91·9	91·6	91·8	91·2	89·6	89·3	89·1	88·8	88·7	88·4	88·4	87·5	90·6
18	87·5	87·3	86·7	85·9	86·7	85·3	84·9	86·5	88·4	89·5	89·3	90·7	91·0	91·6	92·0	92·4	92·0	92·0	91·7	91·4	90·0	88·7	88·8	88·7	88·2	89·1
19	88·2	88·8	88·4	88·5	87·9	87·9	87·2	87·4	89·4	90·6	91·4	90·8	90·9	90·4	90·6	91·4	90·9	91·0	90·6	90·0	89·6	89·1	88·8	88·5	87·6	89·5
20	87·6	86·8	86·2	86·4	86·2	86·2	86·2	87·0	88·5	89·5	90·3	90·3	90·6	90·9	91·4	92·0	92·2	92·1	92·1	91·5	90·3	89·3	88·2	87·9	87·5	89·2
21	87·5	86·8	86·8	86·8	87·7	87·9	88·2	88·9	88·7	89·8	90·5	91·4	91·5	91·3	91·6	91·8	91·8	91·7	91·3	90·7	90·4	90·6	89·8	89·3	88·3	89·7
22	88·3	87·4	87·3	87·5	86·8	87·4	87·7	88·1	88·5	89·1	89·0	90·3	90·7	90·7	90·3	90·7	90·1	89·5	89·3	89·1	88·0	87·4	85·8	85·2	84·6	88·4
23	84·6	84·5	83·6	84·1	83·3	82·7	82·5	83·5	86·2	87·5	87·9	89·6	89·9	90·4	90·1	91·2	90·9	90·3	89·0	88·8	88·3	88·1	87·8	88·1	87·9	87·3
24	87·9	88·4	89·6	88·4	88·5	87·9	87·9	88·1	88·8	87·4	88·5	89·0	89·9	90·2	90·3	90·6	90·4	89·8	89·1	88·5	88·2	88·4	87·9	88·1	88·2	88·8
25	88·2	87·9	88·2	88·1	87·4	87·4	87·2	87·9	89·2	89·3	89·6	90·7	90·2	90·7	90·6	90·6	90·3	90·1	89·7	89·2	88·7	87·9	87·6	87·8	88·1	88·9
26	88·1	88·5	88·8	89·1	89·3	89·6	89·8	90·1	89·7	89·3	90·1	90·3	90·6	91·2	91·1	90·7	91·2	91·0	90·2	89·6	88·8	88·4	88·1	87·9	87·2	89·6
27	87·2	87·9	88·1	88·2	88·2	88·7	88·8	89·1	89·1	89·8	89·9	90·1	90·4	90·9	91·5	91·2	91·2	90·7	90·0	89·8	88·8	88·5	87·9	88·4	87·9	89·4
28	87·9	87·8	87·6	87·4	87·6	87·4	87·9	88·1	89·2	90·2	90·2	91·0	91·3	91·3	90·8	90·2	90·9	90·6	87·4	87·5	86·9	86·8	86·7	87·1	86·8	88·7
29	86·8	87·0	86·0	86·8	86·8	87·0	86·8	87·5	88·5	88·6	89·0	89·2	90·2	90·1	90·3	90·1	90·4	90·1	89·1	88·9	88·1	87·8	86·1	85·4	85·0	88·2
30	85·0	84·4	83·9	84·0	83·5	83·5	83·9	85·2	86·8	87·6	88·5	89·8	88·5	88·7	89·0	90·0	90·0	89·8	89·3	88·1	86·8	86·7	86·3	86·2	87·0	86·9
31	87·0	87·3	87·3	87·5	87·9	88·2	88·3	88·5	89·0	89·5	89·8	90·2	90·6	90·7	90·5	90·9	91·2	90·6	89·9	89·4	88·9	88·9	89·0	89·1	88·7	89·2
Mean ...	88·0	87·9	87·8	87·7	87·6	87·6	87·7	88·2	89·1	89·7	90·2	90·8	91·1	91·4	91·5	91·7	91·4	91·2	90·6	90·2	89·4	88·9	88·4	88·3	88·0	89·4
Normals 1871–1910.	87·0	86·8	86·7	86·6	86·5	86·5	86·5	87·0	87·6	88·3	88·8	89·3	89·6	89·9	89·9	90·0	89·8	89·6	89·1	88·5	87·8	87·4	87·2	87·1	86·9	88·1

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). AUGUST, 1911.

1	94	94	96	96	95	94	95	93	91	87	83	79	86	84	83	78	76	73	72	81	88	89	90	95	94	87·2
2	94	94	94	96	96	93	94	92	89	93	94	95	95	96	99	85	76	76	84	81	84	85	85	95	93	90·2
3	93	94	92	96	96	94	94	93	92	89	86	85	85	83	83	82	82	82	84	83	90	92	92	94	96	89·1
4	96	96	94	92	94	94	95	95	94	91	93	90	92	85	84	86	90	91	96	96	98	99	98	97	95	93·2
5	95	95	94	94	97	96	98	94	89	91	90	82	77	76	86	89	80	77	85	85	93	91	94	92	92	89·1
6	92	89	91	93	95	96	95	95	97	98	96	94	90	87	90	92	94	91	92	91	93	89	86	91	94	92·4
7	94	94	94	92	92	93	94	95	93	89	88	85	86	86	87	86	89	87	91	91	95	96	92	95	96	91·0
8	96	98	96	97	98	95	96	94	92	89	84	81	77	77	76	75	78	79	84	87	93	95	98	96	97	88·8
9	97	97	94	88	89	90	92	92	92	90	88	86	84	78	78	75	82	78	81	83	88	91	93	93	94	87·4
10	94	93	95	95	96	96	95	100	94	82	80	82	79	76	77	76	77	75	80	84	86	89	89	92	91	86·7
11	91	95	94	96	95	93	92	87	83	77	72	58	58	57	56	59	65	68	69	77	81	85	88	88	90	78·5
12	90	87	93	91	87	90	88	92	87	91	95	93	84	80	81	75	75	75	72	70	75	78	81	81	84	83·7
13	84	86	93	92	95	94	95	95	94	88	84	85	84	86	85	84	81	78	80	81	90	92	94	94	96	88·5
14	96	94	96	92	95	95	95	97	96	96	89	81	72	78	82	82	86	88	84	85	88	93	91	94	93	89·1
15	93	95	93	92	94	94	91	93	83	80	70	75	76	70	67	71	77	76	78	76	79	87	89	70	67	81·5
16	67	61	64	63	62	61	60	61	62	64	69	62	67	70	64	72	76	75	80	81	86	87	86	85	89	70·6
17	89	85	82	85	89	90	86	87	86	87	90	95	94	95	97	96	98	94	96	94	91	91	89	88	87	90·6
18	87	88	91	91	89	91	94	95	89	79	75	72	74	71	72	69	66	71	71	74	85	89	90	90	92	81·9
19	92	90	93	90	93	89	93	92	90	86	81	78	81	80	80	77	81	79	80	81	85	87	89	89	89	85·6
20	89	93	93	91	94	92	94	93	90	88	76	76	77	79	75	68	69	69	70	75	78	82	87	87	90	82·8
21	90	93	94	94	88	89	91	93	90	82	78	67	70	69	70	65	69	70	73	74	75	73	73	74	78	79·1
22	78	85	82	76	81	80	78	78	73	66	68	64	67	61	67	64	71	74	75	77	81	81	88	87	89	75·3
23	89	92	92	93	94	95	96	95	93	90	83	75	78	76	76	67	65	66	75	79	81	82	87	88	93	83·7
24	93	92	97	94	92	87	86	85	85	92	91	87	79	77	79	77	79	80	81	86	88	82	86	84	84	85·6
25	84	86	84	83	86	86	89	90	82	84	81	78	79	78	82	80	81	79	82	87	85	89	87	91	92	84·0
26	92	93	92	93	91	91	92	89	90	96	96	97	96	97	97	91	90	90	93	92	96	94	94	96	96	93·3
27	96	96	98	96	94	97	96	94	94	91	88	84	83	85	84	80	83	85	87	83	88	90	93	89	91	89·7
28	91	89	89	91	89	89	88	87	83	76	76	71	73	74	72	79	74	72	84	87	86	86	85	83	94	82·3
29	94	90	89	87	86	80	82	79	85	76	77	79	75	81	84	77	78	74	77	81	82	83	94	93	93	82·6
30	93	92	93	92	95	97	95	95	98	84	82	77	81	80	78	75	73	73	77	84	92	88	92	93	88	86·5
31	88	85	87	85	84	84	84	84	80	80	79	77	77	77	75	77	76	77	81	83	83	85	85	86	86	81·6
Mean ...	90·7	90·7	91·3	90·5	91·0	90·5	90·7	90·5	88·3	85·5	83·3	80·3	79·9	79·0	79·5	77·7	78·6	78·1	81·1	82·9	86·5	87·7	89·2	89·4	90·4	85·5
Normals 1886-1910.	88·5	88·7	89·3	89·1	89·3	89·3	89·3	88·7	86·8	84·4	82·2	80·4	79·2	78·5	78·0	78·2	78·7	79·0	81·0	83·2	85·4	86·8	87·7	88·0	88·1	84·6

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** AUGUST, 1911.

Heights above Mean Sea Level: Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground: Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE* AND TEMPERATURE†. AUGUST, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0188	·0143	300·0	87·4	9	·0194	·0154	**307·4**	89·8	17	·0221	·0180	300·5	87·6	25	·0145	·0089	95·3	86·4
2	·0220	·0188	98·5	87·2	10	·0201	·0168	99·8	89·4	18	·0181	·0119	300·0	87·9	26	·0164	·0144	95·5	84·9
3	·0204	·0155	97·0	88·5	11	·0199	·0160	302·5	89·1	19	·0131	·0088	99·1	87·5	27	·0163	·0134	96·3	89·6
4	·0170	·0152	97·3	87·4	12	·0176	·0138	304·2	88·4	20	·0092	·0012	301·8	87·6	28	·0139	·0119	94·9	87·0
5	·0153	·0083	97·4	88·6	13	·0207	·0169	305·2	92·4	21	·0025	**·0001**	95·2	89·8	29	·0204	·0138	94·9	86·8
6	·0186	·0102	96·8	86·2	14	·0215	·0190	302·8	89·8	22	·0091	·0024	92·8	87·1	30	·0242	·0204	96·4	85·4
7	·0239	·0186	300·2	88·9	15	·0209	·0187	96·5	87·3	23	·0118	·0088	93·8	86·0	31	**·0251**	·0211	95·2	**81·9**
8	·0241	·0194	304·1	87·1	16	·0219	·0198	96·7	84·1	24	·0115	·0075	95·1	86·3	Mean.	—	—	98·5	87·5

TABLE II.

KEW. AUGUST, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.
The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0155	·0151	·0149	·0145	·0143	·0144	·0147	·0147	·0153	·0151	·0150	·0146	·0144	·0145	·0148	·0148	·0155	·0158	·0158	·0165	·0170	·0175	·0180	·0183	·0188	·0155
2	·0188	·0190	·0193	·0194	·0196	·0200	·0206	·0211	·0218	·0219	·0218	·0214	·0211	·0208	·0204	·0202	·0199	·0200	·0202	·0203	·0206	·0207	·0206	·0205	·0204	·0205
3	·0204	·0202	·0198	·0196	·0193	·0190	·0188	·0185	·0185	·0181	·0177	·0175	·0171	·0171	·0165	·0159	·0155	·0155	·0156	·0157	·0160	·0164	·0165	·0166	·0163	·0175
4	·0163	·0162	·0162	·0161	·0163	·0165	·0166	·0167	·0168	·0169	·0168	·0167	·0165	·0163	·0160	·0160	·0155	·0154	·0154	·0153	·0158	·0160	·0155	·0155	·0153	·0161
5	·0153	·0148	·0143	·0137	·0130	·0128	·0125	·0120	·0117	·0111	·0107	·0103	·0098	·0095	·0089	·0085	·0086	·0086	·0085	·0088	·0088	·0089	·0094	·0098	·0102	·0107
6	·0102	·0104	·0109	·0111	·0120	·0126	·0132	·0136	·0140	·0142	·0144	·0142	·0143	·0143	·0144	·0145	·0147	·0150	·0153	·0158	·0165	·0171	·0179	·0181	·0186	·0143
7	·0186	·0190	·0192	·0193	·0197	·0202	·0208	·0213	·0216	·0215	·0217	·0218	·0218	·0218	·0215	·0213	·0213	·0212	·0215	·0218	·0225	·0230	·0235	·0239	·0239	·0214
8	·0239	·0238	·0237	·0235	·0233	·0235	·0236	·0237	·0236	·0236	·0232	·0227	·0223	·0216	·0210	·0205	·0200	·0197	·0197	·0199	·0203	·0203	·0199	·0198	·0194	·0219
9	·0194	·0192	·0190	·0188	·0184	·0183	·0184	·0182	·0182	·0180	·0177	·0172	·0171	·0166	·0163	·0159	·0156	·0155	·0155	·0157	·0161	·0163	·0166	·0168	·0168	·0172
10	·0168	·0170	·0176	·0178	·0180	·0183	·0188	·0190	·0193	·0191	·0190	·0189	·0188	·0186	·0186	·0186	·0184	·0184	·0188	·0191	·0198	·0200	·0201	·0199	·0199	·0188
11	·0199	·0194	·0192	·0192	·0191	·0192	·0190	·0190	·0189	·0188	·0187	·0185	·0180	·0175	·0170	·0165	·0162	·0161	·0164	·0168	·0175	·0178	·0181	·0179	·0176	·0181
12	·0176	·0172	·0170	·0165	·0166	·0164	·0164	·0162	·0158	·0156	·0154	·0149	·0148	·0145	·0141	·0139	·0139	·0143	·0148	·0153	·0160	·0164	·0167	·0166	·0170	·0157
13	·0170	·0172	·0174	·0173	·0175	·0178	·0182	·0185	·0189	·0188	·0189	·0188	·0188	·0186	·0186	·0185	·0185	·0185	·0187	·0188	·0196	·0198	·0202	·0203	·0207	·0186
14	·0207	·0208	·0206	·0205	·0205	·0208	·0209	·0211	·c213	·0212	·0210	·0206	·0202	·0197	·0193	·0193	·0192	·0190	·0191	·0196	·0200	·0202	·0207	·0208	·0208	·0203
15	·0208	·0207	·0206	·0203	·0205	·0205	·0205	·0207	·0208	·0205	·0202	·0201	·0197	·0192	·0192	·0189	·0188	·0188	·0188	·0190	·0194	·0199	·0206	·0205	·0207	·0200
16	·0207	·0206	·0205	·0204	·0205	·0205	·0204	·0207	·0208	·0206	·0210	·0210	·0209	·0206	·0204	·0200	·0201	·0201	·0198	·0200	·0204	·0213	·0215	·0217	·0219	·0206
17	·0219	·0220	·0218	·0217	·0216	·0216	·0219	·0220	·0221	·0218	·0214	·0211	·0207	·0202	·0197	·0192	·0187	·0183	·0183	·0182	·0184	·0184	·0185	·0182	·0180	·0202
18	·0180	·0177	·0172	·0170	·0165	·0163	·0164	·0163	·0158	·0155	·0153	·0149	·0144	·0136	·0135	·0131	·0124	·0121	·0121	·0121	·0123	·0126	·0126	·0127	·0130	·0145
19	·0130	·0129	·0126	·0124	·0124	·0125	·0126	·0123	·0124	·0125	·0119	·0116	·0109	·0105	·0100	·0096	·0091	·0089	·0089	·0092	·0095	·0097	·0095	·0097	·0090	·0109
20	·0090	·0087	·0086	·0082	·0082	·0081	·0080	·0080	·0078	·0076	·0071	·0068	·0060	·0053	·0046	·0039	·0037	·0034	·0027	·0025	·0033	·0029	·0024	·0025	·0012	·0056
21	·0012	·0011	·0010	·0009	·0004	·0001	·0002	·0003	·0006	·0012	·0014	·0014	·0015	·0013	·0010	·0008	·0005	·0004	·0011	·0013	·0017	·0019	·0022	·0022	·0025	·0011
22	·0025	·0026	·0026	·0028	·0032	·0034	·0034	·0037	·0043	·0046	·0050	·0053	·0051	·0054	·0056	·0057	·0061	·0065	·0071	·0078	·0082	·0087	·0087	·0088	·0091	·0054
23	·0091	·0091	·0092	·0090	·0091	·0093	·0095	·0100	·0106	·0107	·0108	·0109	·0109	·0109	·0108	·0107	·0108	·0108	·0107	·0108	·0113	·0115	·0116	·0117	·0115	·0105
24	·0115	·0113	·0110	·0106	·0102	·0100	·0098	·0098	·0093	·0093	·0090	·0087	·0083	·0084	·0083	·0081	·0079	·0077	·0076	·0076	·0082	·0084	·0086	·0091	·0091	·0091
25	·0091	·0090	·0089	·0092	·0092	·0093	·0098	·0101	·0101	·0102	·0103	·0105	·0105	·0104	·0102	·0110	·0109	·0108	·0111	·0119	·0130	·0133	·0140	·0143	·0144	·0108
26	·0144	·0146	·0147	·0147	·0148	·0152	·0157	·0159	·0162	·0162	·0162	·0163	·0163	·0162	·0158	·0160	·0160	·0159	·0159	·0159	·0162	·0160	·0160	·0157	·0157	·0157
27	·0157	·0155	·0156	·0153	·0155	·0156	·0159	·0159	·0162	·0161	·0160	·0161	·0158	·0156	·0153	·0149	·0141	·0139	·0139	·0140	·0140	·0137	·0138	·0138	·0135	·0151
28	·0135	·0132	·0131	·0128	·0124	·0128	·0129	·0130	·0130	·0128	·0126	·0131	·0135	·0130	·0131	·0130	·0130	·0128	·0127	·0120	·0132	·0132	·0134	·0137	·0139	·0130
29	·0139	·0139	·0141	·0143	·0146	·0147	·0155	·0160	·0163	·0166	·0167	·0166	·0166	·0168	·0169	·0169	·0171	·0173	·0178	·0183	·0193	·0194	·0198	·0200	·0204	·0168
30	·0204	·0205	·0208	·0205	·0206	·0205	·0210	·0211	·0219	·0222	·0222	·0221	·0220	·0218	·0218	·0213	·0213	·0215	·0226	·0229	·0238	·0240	·0242	·0240	·0241	·0220
31	·0241	·0241	·0245	·0242	·0242	·0242	·0247	·0250	·0251	·0250	·0245	·0241	·0234	·0228	·0222	·0219	·0214	·0213	·0213	·0213	·0216	·0215	·0217	·0216	·0218	·0231
Mean...	1·0 1578	1·0 1570	1·0 1567	1·0 1554	1·0 1553	1·0 1563	1·0 1583	1·0 1595	1·0 1610	1·0 1604	1·0 1592	1·0 1576	1·0 1553	1·0 1527	1·0 1503	1·0 1482	1·0 1467	1·0 1463	1·0 1476	1·0 1497	1·0 1549	1·0 1570	1·0 1590	1·0 1597	1·0 1598	1·0 1551
Normals 1871–1910.	1·0 1409	1·0 1392	1·0 1382	1·0 1365	1·0 1358	1·0 1365	1·0 1382	1·0 1396	1·0 1409	1·0 1413	1·0 1406	1·0 1399	1·0 1382	1·0 1368	1·0 1351	1·0 1334	1·0 1324	1·0 1314	1·0 1324	1·0 1341	1·0 1379	1·0 1396	1·0 1409	1·0 1400	1·0 1402	1·0 1375

(22220—24.) Wt. 41466—310. 375. 1/12. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	—	0·9	—	0·0	—	0·9	—	0·9	—	1·3	—	0·9	—	0·9	—	1·3	19	3·1	16	5·4	16	5·4	16	4·5
2	19	1·8	—	0·9	—	1·3	—	1·3	19	1·8	19	2·7	22	1·8	—	0·9	20	2·2	17	2·7	16	2·2	19	1·8
3	19	1·8	19	2·2	19	1·8	19	1·8	19	1·8	17	2·2	17	3·1	17	4·5	16	4·5	16	5·4	17	6·7	17	6·7
4	19	1·8	19	1·8	19	1·8	19	1·8	19	2·2	19	3·1	21	2·7	21	3·6	27	3·6	20	4·5	21	4·0	21	4·5
5	17	1·8	18	2·2	17	2·7	17	3·6	14	2·7	14	2·2	14	2·2	16	5·8	16	6·7	17	5·4	17	6·7	16	6·7
6	24	1·8	21	1·8	21	2·7	21	2·2	21	2·2	21	2·7	20	4·5	20	4·9	19	4·9	19	6·7	20	5·8	19	6·7
7	22	2·2	22	2·2	22	2·2	19	2·2	19	2·2	19	3·6	19	3·1	21	4·0	18	4·0	21	5·4	20	3·6	19	3·6
8	—	0·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	17	1·8	15	2·7	16	3·6	13	1·8	16	2·7
9	8	1·8	—	0·9	—	0·9	—	0·9	—	0·5	—	0·0	—	0·0	—	0·0	—	0·9	—	0·9	—	1·3	13	3·1
10	—	0·9	26	1·8	—	1·3	—	1·3	27	1·8	—	1·3	27	2·7	31	3·6	32	4·5	32	4·5	32	4·5	3	5·4
11	1	4·0	2	4·5	2	4·5	3	4·5	1	4·5	2	5·4	2	5·4	3	5·4	3	5·8	3	5·4	2	4·5	3	5·4
12	3	1·8	3	1·8	3	2·2	—	1·3	3	2·2	3	1·8	3	4·5	2	3·1	3	4·5	4	4·5	4	5·4	7	5·4
13	7	4·5	7	3·1	7	3·6	7	3·1	—	0·9	7	1·8	7	2·2	7	2·2	7	1·8	7	3·1	6	4·5	8	5·4
14	3	2·7	3	3·1	3	2·2	3	2·7	3	2·2	3	3·1	3	3·1	4	4·5	3	4·5	4	6·3	3	5·8	3	5·4
15	1	3·1	1	1·8	1	2·2	1	1·8	1	1·8	1	3·6	2	5·4	2	4·9	1	4·0	1	4·5	32	3·1	1	4·0
16	—	0·9	—	1·3	—	0·9	—	0·9	3	1·8	32	2·2	32	3·1	1	2·7	2	3·1	31	2·7	32	2·7	32	1·8
17	—	1·3	—	1·3	—	0·9	—	1·3	—	0·9	—	1·3	18	2·2	22	2·7	19	2·7	25	2·2	19	1·8	21	3·1
18	20	1·8	20	1·8	20	1·8	20	2·2	—	1·3	20	2·2	20	2·2	23	2·2	24	3·1	24	3·1	22	3·1	20	3·6
19	26	1·8	—	1·3	—	0·0	—	0·5	—	0·9	—	1·3	1	2·7	4	2·2	6	1·8	7	1·8	9	3·1	9	2·2
20	—	1·3	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	10	2·2	10	3·1	6	3·1	8	4·0	7	3·1	6	4·9
21	5	2·7	8	2·2	8	2·2	8	3·1	8	3·6	8	1·8	8	2·2	13	3·6	16	3·1	14	3·6	16	3·1	16	3·1
22	—	0·9	—	0·9	2	3·1	2	2·2	2	2·7	2	3·6	2	2·7	2	2·2	1	3·1	4	3·1	1	4·0	3	4·5
23	2	1·8	—	1·3	—	0·9	—	0·9	—	0·5	—	0·9	2	2·2	2	3·6	32	4·0	32	3·1	1	2·2	2	1·8
24	—	0·9	—	1·3	—	0·9	—	0·9	—	0·5	—	0·0	—	0·9	12	1·8	16	4·0	16	5·4	18	5·4	19	5·4
25	20	1·8	—	1·3	20	1·8	—	1·3	—	1·3	—	0·9	—	0·9	20	3·1	22	4·5	22	3·6	22	3·6	22	3·6
26	—	1·3	—	0·9	21	1·8	—	0·0	—	0·5	—	0·9	21	1·8	19	2·2	22	3·6	23	4·9	22	4·9	22	4·5
27	18	4·9	19	4·5	20	4·5	19	4·9	20	5·4	19	4·5	18	4·0	19	4·9	18	5·8	18	6·7	18	7·2	17	6·7
28	—	1·3	—	1·3	—	1·3	18	1·8	18	1·8	—	0·9	—	0·9	18	4·5	18	5·4	21	5·4	26	4·0	24	3·1
29	21	2·7	18	3·1	18	3·1	18	3·1	18	3·1	18	2·7	21	2·7	19	4·5	20	4·5	22	5·8	21	4·5	21	4·9
30	22	1·8	22	1·8	22	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	1·3	22	1·8	22	1·8	27	2·7	25	1·8
31	—	1·3	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	21	1·8	21	1·8	22	3·1	20	3·1
Mean ...	—	1·9	—	1·8	—	1·8	—	1·8	—	1·8	—	2·0	—	2·4	—	3·1	—	3·6	—	4·1	—	4·0	—	4·2
Normals, 1881–1910.	—	2·0	—	1·9	—	1·9	—	1·9	—	1·9	—	2·1	—	2·5	—	3·1	—	3·5	—	3·8	—	4·1	—	4·2

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second,

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. AUGUST, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·52	0·51	—	—	—	—	—	—	—	2·03
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	0·25
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	1·02	0·51	—	—	—	2·29
21	—	1·02	—	—	—	—	—	0·25	0·76	0·25	0·25	—	—	—	—	—	—	—	4·82	0·51	0·25	—	—	—	8·11
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	1·25	—	—	—	—	—	—	—	—	—	—	1·25
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·25	0·25	—	0·76	0·25	0·51	0·25	—	—	—	2·52
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·05	1·02	—	—	—	—	—	—	4·07
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	—	1·02	—	—	—	—	—	0·25	0·76	0·25	0·25	0·25	—	1·25	0·25	1·77	3·81	1·78	5·83	2·04	1·01	—	—	—	20·52
Normals 1871–1910.	1·98	2·36	2·11	1·55	1·96	1·35	1·88	1·80	2·06	2·08	1·98	2·97	2·57	3·15	3·56	2·79	3·58	2·82	2·72	2·31	2·92	2·03	1·68	1·70	55·91

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

17 days

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. AUGUST, 1911.

	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	18	5·8	18	6·7	18	6·7	21	4·9	20	2·2	18	3·1	19	2·2	19	2·2	19	1·8	19	1·8	19	1·8	19	1·8	2·8	1
2	18	2·2	16	4·5	18	5·4	19	5·4	16	6·3	18	5·8	19	4·5	17	3·1	17	1·8	17	1·8	17	1·8	17	1·8	2·7	2
3	18	6·7	18	5·4	18	6·7	17	5·8	18	5·4	18	5·8	18	4·5	18	3·6	19	3·1	19	3·1	19	1·8	19	2·7	4·0	3
4	21	4·0	21	5·4	20	4·9	19	4·9	19	6·3	18	5·4	19	4·5	20	4·5	20	3·1	20	2·2	20	1·8	17	1·8	3·5	4
5	16	5·4	17	8·1	18	7·6	19	7·2	18	5·8	19	4·5	19	4·5	19	3·1	19	4·0	24	3·1	24	2·2	24	1·8	4·4	5
6	21	8·1	20	8·1	20	8·5	20	8·1	20	8·1	19	6·3	19	6·7	19	4·5	20	4·9	21	3·1	22	2·7	22	1·8	4·9	6
7	20	4·0	17	4·0	18	4·0	17	3·1	19	3·1	24	2·2	18	3·1	18	3·1	18	1·8	18	1·8	—	1·3	—	0·9	2·9	7
8	16	3·1	15	3·1	9	3·6	12	3·6	11	4·5	8	5·4	8	5·4	8	3·6	8	3·1	8	2·2	8	1·8	8	1·8	2·4	8
9	16	3·1	16	3·6	17	4·5	16	3·6	18	3·6	19	3·1	19	2·2	19	1·8	—	0·9	—	1·3	—	0·9	—	1·3	1·7	9
10	2	5·4	3	6·7	3	6·3	32	5·8	2	7·2	32	6·7	2	6·7	2	6·7	4	4·0	2	3·1	2	3·1	2	3·1	4·1	10
11	4	4·9	4	4·9	4	4·9	7	6·7	8	4·9	2	4·5	2	5·4	2	4·0	2	3·1	4	3·1	3	2·7	3	2·2	4·6	11
12	7	5·8	8	8·1	8	8·5	7	9·8	7	8·1	7	6·7	7	5·4	7	6·3	7	5·8	7	5·4	6	5·4	6	3·6	4·9	12
13	7	6·7	8	7·2	6	8·1	8	8·1	8	6·7	7	6·7	7	4·0	7	4·0	6	3·1	6	2·2	—	0·9	6	1·8	4·0	13
14	5	5·4	9	5·4	8	5·8	9	6·3	8	5·4	8	5·4	9	4·5	—	1·3	4	3·1	1	2·7	3	3·6	1	2·7	4·1	14
15	1	4·0	32	4·5	1	4·5	2	5·4	3	4·0	3	4·5	5	3·6	5	4·5	3	4·5	3	4·5	3	4·5	3	1·3	3·7	15
16	32	2·7	32	2·2	32	1·8	32	2·7	32	1·8	31	1·8	2	1·8	2	2·7	5	4·5	7	3·1	7	1·8	7	1·8	2·2	16
17	21	3·1	23	2·2	21	3·1	23	3·1	21	3·6	19	5·4	19	4·5	20	3·1	20	3·1	20	2·7	20	2·2	20	1·8	2·5	17
18	23	4·0	26	4·9	24	4·0	25	4·5	28	3·1	30	2·2	25	1·8	25	1·8	25	2·2	26	1·8	—	0·9	—	0·5	2·5	18
19	—	1·3	17	1·8	—	1·3	8	2·7	9	4·0	9	4·9	8	3·1	8	3·1	8	2·2	9	2·2	13	3·1	10	2·2	2·1	19
20	9	3·6	6	6·3	6	6·7	8	5·4	8	5·4	8	5·4	7	6·7	8	5·8	32	4·0	3	3·6	6	3·1	6	3·1	3·5	20
21	16	3·1	16	1·8	—	1·3	—	0·9	—	0·5	—	1·3	18	2·2	—	0·9	—	0·5	—	0·9	—	0·5	—	0·5	2·0	21
22	3	3·1	5	3·1	1	4·5	1	5·4	32	4·0	3	4·5	2	3·6	2	3·1	2	1·8	2	2·2	—	1·3	—	0·9	2·9	22
23	2	2·2	2	2·2	—	0·9	—	1·3	2	1·8	—	0·9	—	0·9	—	1·3	9	1·8	9	1·8	—	0·9	—	0·9	1·7	23
24	18	5·4	18	5·4	20	3·6	18	4·9	17	6·7	16	4·5	17	2·7	—	1·3	20	1·8	20	1·8	20	1·8	20	2·2	2·9	24
25	21	4·5	21	5·4	22	3·1	19	4·5	19	4·5	21	3·6	22	3·1	22	2·7	21	1·8	21	1·8	21	1·8	21	1·8	2·8	25
26	21	5·4	21	5·4	19	6·3	18	5·8	17	5·8	19	6·3	19	5·8	20	4·9	19	4·5	18	4·9	20	4·5	18	4·5	3·8	26
27	17	6·3	19	8·1	18	8·1	19	8·9	19	8·1	18	7·6	19	4·9	18	4·0	19	4·9	18	3·6	18	2·2	18	1·8	5·5	27
28	24	1·8	19	1·8	26	1·8	—	1·3	—	1·3	—	1·3	23	1·8	21	3·1	21	2·2	21	1·8	21	2·7	21	3·1	2·3	28
29	23	5·4	24	4·5	21	4·9	23	4·9	23	4·5	20	4·0	25	2·2	25	2·7	25	1·8	23	2·7	22	1·8	—	0·9	3·5	29
30	—	1·3	24	1·8	18	1·8	18	1·8	32	4·5	—	1·3	21	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	1·6	30
31	21	4·5	19	4·9	19	5·4	20	4·9	19	4·9	18	4·0	18	3·1	18	1·8	18	2·7	18	1·8	18	1·8	18	1·8	2·5	31
	—	4·3	—	4·8	—	4·8	—	4·9	—	4·7	—	4·4	—	3·8	—	3·2	—	2·9	—	2·5	—	2·1	—	1·9	3·2	Normals 1881–1910.
	—	4·3	—	4·3	—	4·3	—	4·2	—	4·0	—	3·6	—	3·0	—	2·6	—	2·5	—	2·3	—	2·2	—	2·1	3·0	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1901. No correction the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. AUGUST, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	·3	·3	·9	·9	1·0	—	—	·1	—	·1	·6	·4	—	4·6	Cloudy, with bright intervals; ● 16h.–
2	—	—	—	—	·2	1·0	1·0	·9	·8	·8	·9	·9	·9	1·0	·9	·2	—	9·5	Dull early, brightening after 18h. [17h.
3	—	—	·5	·6	·3	·2	—	—	·2	—	·6	·9	1·0	·9	·9	·4	—	6·5	Fair to fine.
4	—	·4	1·0	1·0	1·0	1·0	1·0	·8	·7	·4	·9	·7	·4	·9	·2	—	—	10·4	Fine, clear atmosphere.
5	—	—	—	—	·3	—	—	·1	·1	·3	·9	—	—	—	—	—	—	1·7	Cloudy; S.–S.W. wind.
6	—	·1	·7	1·0	1·0	·9	·9	·8	·4	·8	·9	·4	·1	—	—	—	—	8·0	Fine till about 15h., then cloudy; ⊍ at
7	—	—	·3	·9	·9	1·0	·9	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	12·3	Bright day. [22h.
8	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	12·6	Fine all day, but ≋9.
9	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	1·0	1·0	1·0	1·0	·6	—	12·4	Fine and very hot.
10	—	—	·6	1·0	1·0	1·0	·9	·9	·9	·9	·8	1·0	1·0	·9	1·0	·1	—	12·0	Fine.
11	—	—	—	—	—	—	·1	·9	1·0	1·0	1·0	1·0	1·0	·9	·5	—	—	7·4	Dull at first, improving after 10h.
12	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	·5	·5	1·0	·7	1·0	1·0	·1	—	—	10·9	≋9, but fine.
13	—	—	·8	1·0	1·0	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	12·9	Fine and very hot all day.
14	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	13·4	Cloudless all day.
15	—	—	·1	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	11·9	Cloudy early, clearing after 7h.
16	—	·2	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	13·4	Very fine and bright.
17	—	—	—	—	·3	·9	1·0	1·0	·9	·9	·9	·6	1·0	·5	·5	—	—	8·5	Dull at first, becoming brighter after 8h.
18	—	—	—	·1	·8	·9	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	1·0	·2	—	10·7	⊕ at 7h.; fine generally. [<, and ●9 at 17h.
19	—	—	·6	·5	·2	1·0	1·0	1·0	·9	·9	·9	·7	—	—	—	—	—	7·7	Fine till about 15h., then dull with T;
20	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	—	—	—	—	—	8·9	Fine till 15h. 30m.; T, <, and ● be-
21	—	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	0·1	Dull; ●2 about 19h. [tween 18h. & 21h.
22	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	—	0·1	Dull during day; fine night.
23	—	—	—	—	—	·5	·9	·9	·4	—	·6	—	·4	·7	·1	—	—	4·5	Fine at intervals.
24	—	—	—	·2	·5	·7	·4	·6	·3	—	—	—	—	·1	·1	—	—	2·9	Fair to dull; ● about 14h.
25	—	—	—	·5	1·0	·8	—	·1	·9	·7	·7	—	·7	1·0	1·0	·4	—	7·8	Fair.
26	—	—	·3	·9	·9	1·0	·6	·4	·4	·1	·8	·1	—	—	—	—	—	5·5	Fine generally till 15h., then dull.
27	—	—	—	—	—	—	—	—	—	—	·1	·2	·5	·3	·8	—	—	1·9	Dull to fair.
28	—	—	·2	·2	·2	·4	·1	—	—	—	—	—	—	—	—	—	—	1·1	Fair till about 9h., then damp and dull.
29	—	—	·7	1·0	1·0	1·0	·9	·9	·9	·9	·9	·5	·1	·1	·8	—	—	9·7	Fine, with good visibility. [● 17h.–19h.
30	—	—	—	—	—	·2	·5	·9	·6	·6	·6	1·0	·9	—	—	—	—	5·3	Dull at first, then fine till 16h.; ⊼ and
31	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	·5	—	—	—	9·1	Fog early, but fine after 7h. 30m.; ⊕ [about 12h.
	—	1·1	9·7	15·2	18·8	21·7	21·0	21·9	20·9	18·7	22·2	18·4	17·8	16·7	15·5	4·1	—	243·7	Total.
	—	0·79	7·19	11·94	14·82	16·07	16·86	16·96	16·83	16·38	16·40	15·91	14·80	13·71	10·07	2·09	—	190·82	Normals 1881–1910.

TABLE VI.

KEW. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. AUGUST, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	89·5	89·0	88·4	88·0	88·0	88·4	90·0	91·5	92·1	94·8	97·6	98·4	99·5	99·7	99·2	97·8	95·7	92·5	94·1	93·5	91·8	91·3	91·0	89·9	89·2	93·0
2	89·2	88·8	88·4	87·9	88·0	88·8	89·1	89·5	90·3	92·3	93·5	95·2	95·7	96·2	97·3	97·5	98·0	97·9	97·3	94·8	91·9	90·7	90·1	90·1	89·6	92·4
3	89·6	90·0	89·8	89·0	89·0	88·7	89·8	91·4	93·0	93·2	94·0	94·2	94·8	93·4	94·9	96·5	96·5	96·4	96·4	94·8	93·1	92·4	91·7	91·0	90·3	92·7
4	90·3	89·5	88·7	88·2	87·8	87·8	89·0	89·8	90·6	92·2	93·4	94·9	94·6	94·9	96·0	96·3	96·3	97·0	95·2	94·2	92·9	92·3	90·6	89·9	89·4	92·2
5	89·4	89·9	89·6	89·6	89·6	89·6	89·9	91·4	92·7	94·0	94·7	95·4	95·8	95·9	96·3	96·9	95·7	94·5	93·5	92·9	92·3	92·1	90·4	89·5	88·6	92·6
6	88·6	87·9	87·4	87·1	86·6	86·7	87·2	88·4	89·9	91·9	92·4	94·3	95·3	95·8	96·2	95·9	94·9	94·4	94·1	93·4	92·5	92·2	91·0	90·6	90·4	91·5
7	90·4	90·2	89·6	89·6	88·9	89·5	89·7	91·0	91·9	93·4	94·3	94·7	96·0	97·4	98·4	99·2	99·5	00·2	99·3	98·8	96·0	94·2	92·5	91·7	90·3	94·0
8	90·3	89·6	88·8	88·4	88·0	87·3	87·9	90·3	92·6	95·3	96·2	98·4	99·8	02·0	02·9	03·6	04·1	03·6	01·2	99·1	96·9	95·9	94·8	94·3	93·8	95·5
9	93·8	93·1	92·8	91·3	90·0	90·7	90·3	92·2	94·7	98·1	01·0	03·5	05·3	06·3	06·3	06·8	07·1	06·8	05·8	04·6	00·9	98·4	96·5	94·5	93·7	98·8
10	93·7	93·2	92·1	91·4	90·6	90·1	90·3	91·2	92·9	94·3	95·2	96·8	98·1	99·2	99·3	99·5	99·2	98·1	96·9	95·3	93·7	92·4	91·2	90·3	89·4	94·3
11	89·4	89·2	89·3	89·8	89·9	90·0	90·0	90·3	90·5	91·2	92·1	93·6	95·6	97·4	99·3	01·0	01·9	01·8	98·1	96·3	94·5	92·5	91·9	91·2	90·7	93·6
12	90·7	90·7	89·8	89·9	88·8	88·6	88·8	90·9	93·0	94·9	96·1	98·0	00·2	01·5	04·2	03·7	03·6	03·0	01·2	99·7	97·9	96·9	96·3	96·1	95·2	96·1
13	95·2	94·6	94·0	93·5	93·0	92·4	93·1	94·6	95·9	97·5	99·0	01·4	02·9	04·2	04·6	03·9	04·1	02·9	02·0	00·4	98·7	97·4	95·7	93·2	93·1	98·1
14	93·1	92·8	92·1	90·6	90·4	90·1	90·4	92·3	93·9	96·4	98·1	99·9	01·0	01·4	02·5	02·5	02·0	01·2	99·7	97·4	95·2	94·8	92·8	91·4	89·8	95·8
15	89·8	88·6	87·9	87·4	87·4	87·4	87·6	88·1	89·0	90·6	91·4	93·0	94·0	95·3	96·0	96·3	95·9	95·4	94·9	93·8	92·1	90·4	89·3	88·7	87·6	91·2
16	87·6	86·9	86·2	85·6	84·9	84·3	84·6	86·9	87·6	89·1	90·2	91·7	92·6	93·7	94·5	95·4	96·0	96·3	95·3	94·9	93·1	90·9	89·8	88·8	87·8	90·3
17	87·8	88·5	88·7	89·1	89·1	89·5	89·5	90·3	89·6	91·5	92·8	94·9	96·4	97·9	98·8	99·1	99·6	00·4	98·9	96·7	94·9	93·5	92·3	91·8	91·1	93·5
18	91·1	90·4	89·7	89·2	88·8	88·1	88·6	89·8	91·2	93·3	94·8	96·1	96·9	98·3	99·2	99·1	99·3	99·8	99·7	98·0	96·1	95·1	94·1	92·8	91·0	94·1
19	91·0	90·9	90·1	89·2	87·5	88·0	87·6	88·8	89·7	91·3	92·9	95·1	96·3	96·9	97·4	98·7	97·9	97·1	94·3	93·2	92·6	92·2	92·1	91·3	90·6	92·6
20	90·6	90·2	89·5	89·0	88·2	87·9	87·9	90·3	91·5	93·1	94·8	97·0	98·3	01·3	99·4	00·0	99·1	98·1	96·9	94·0	93·6	92·4	92·2	91·9	92·3	93·7
21	92·3	92·3	92·1	91·3	91·1	91·1	91·1	91·3	91·3	91·3	91·0	92·1	92·4	92·4	93·4	94·5	94·7	94·1	93·4	92·0	90·6	90·4	90·3	90·1	90·1	91·9
22	90·1	90·2	90·3	90·2	90·2	89·8	89·6	89·3	89·9	90·7	91·4	91·7	92·5	92·6	92·8	92·0	91·2	90·4	90·2	89·5	88·8	88·4	87·4	87·2	87·1	90·2
23	87·1	87·1	87·3	87·1	86·4	86·2	86·9	88·1	88·0	88·5	89·9	91·3	91·7	91·9	92·6	93·1	93·4	93·4	93·2	92·2	90·3	89·7	88·4	88·2	88·0	89·7
24	88·0	87·8	86·8	86·9	87·1	86·9	87·2	88·7	90·9	92·8	93·5	94·1	94·8	94·6	93·4	91·9	92·4	91·9	90·7	90·9	90·1	89·3	88·7	88·4	88·0	90·3
25	88·0	87·6	87·6	87·0	87·0	86·9	87·1	88·0	89·9	91·2	91·7	91·8	93·4	94·6	95·0	92·1	93·9	94·8	94·7	92·8	90·8	89·7	88·9	88·0	87·5	90·5
26	87·5	87·2	86·5	86·3	85·4	85·0	85·7	87·5	89·1	91·3	92·2	93·0	93·9	94·7	94·7	95·0	94·2	94·1	93·2	92·5	91·7	91·2	91·1	90·9	90·9	90·7
27	90·9	91·1	91·2	91·4	91·3	91·3	91·3	91·3	91·9	93·0	94·0	94·0	94·3	93·7	95·0	95·8	95·6	94·9	95·7	93·9	93·0	92·5	91·7	90·8	89·6	92·9
28	89·6	89·2	88·4	88·1	87·7	87·5	87·8	89·9	91·5	93·6	94·1	92·0	91·7	92·5	92·9	91·7	91·5	91·3	91·0	91·0	90·4	89·8	89·5	89·0	88·9	90·5
29	88·9	88·2	87·8	87·4	87·0	86·8	87·2	88·4	89·7	91·2	92·1	92·9	93·2	94·1	94·9	94·6	94·6	94·0	94·3	92·0	90·9	89·6	88·8	88·1	87·4	90·7
30	87·4	87·4	86·5	86·4	86·3	86·3	86·3	86·5	87·2	89·3	90·1	91·5	92·4	93·6	93·6	95·3	96·2	92·9	88·9	88·6	87·6	86·9	86·3	86·0	85·6	89·1
31	85·6	85·0	84·6	83·6	83·6	82·8	82·2	82·8	84·1	86·5	89·6	91·5	92·8	93·6	94·1	94·8	94·5	94·1	92·6	91·2	89·9	89·2	88·2	87·2	86·8	88·5
Mean ...	89·9	89·6	89·1	88·7	88·3	88·2	88·5	89·7	90·8	92·5	93·7	94·9	95·9	96·7	97·3	97·4	97·4	96·9	95·9	94·6	93·1	92·1	91·1	90·4	89·8	92·6
Normals 1871–1910.	87·1	86·7	86·4	86·2	85·9	85·8	86·1	87·2	88·3	89·6	90·4	91·4	92·0	92·6	92·8	93·1	92·9	92·6	91·8	90·7	89·5	88·8	88·1	87·5	87·1	89·3

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). AUGUST, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	89	92	92	94	93	85	83	76	75	65	57	55	51	50	50	53	64	83	74	73	82	83	83	87	89	74·6
2	89	92	94	95	93	91	87	85	81	75	68	61	56	56	50	49	50	52	53	59	70	78	84	84	85	72·9
3	85	85	86	90	88	88	83	75	68	71	70	61	67	76	71	65	56	57	56	61	67	73	79	81	81	73·3
4	81	86	89	91	89	89	86	83	74	62	57	52	50	49	47	54	54	54	58	59	64	69	77	81	81	68·9
5	81	80	83	87	87	87	84	77	73	71	66	61	59	61	56	50	58	67	72	75	79	79	80	84	86	73·3
6	86	85	87	87	88	85	85	80	75	65	60	56	52	52	51	54	58	61	65	69	75	77	82	85	87	71·7
7	87	87	89	89	91	89	88	82	75	69	59	57	55	52	50	49	50	47	44	53	64	71	79	82	87	69·0
8	87	91	94	95	96	96	94	83	73	57	49	50	45	38	38	38	36	35	46	53	59	66	72	78	80	65·3
9	80	83	86	91	96	95	95	90	81	65	55	39	36	34	34	31	30	31	35	37	49	55	61	72	73	60·8
10	73	74	75	77	76	76	75	73	67	61	61	59	55	46	51	45	47	48	50	50	48	57	65	73	82	61·9
11	82	86	86	83	85	85	86	86	85	82	79	74	66	59	52	48	41	43	62	68	75	82	85	85	87	73·6
12	87	83	86	85	88	89	92	85	77	69	64	58	47	46	36	34	33	31	37	40	49	56	59	61	65	61·8
13	65	69	73	74	79	85	82	75	69	61	55	49	35	28	29	27	29	31	33	36	44	46	55	71	69	54·2
14	69	69	72	78	81	79	80	72	65	55	52	43	38	36	36	35	35	36	38	44	54	53	58	59	69	55·8
15	69	76	84	89	92	89	87	81	74	64	62	52	48	45	40	42	45	46	46	49	54	62	67	71	76	64·0
16	76	82	85	86	89	91	89	76	71	64	59	50	49	43	42	42	41	41	43	47	53	69	74	80	83	64·4
17	83	90	92	90	90	88	87	82	85	77	70	64	57	49	49	47	44	43	47	50	53	56	61	66	65	67·2
18	65	68	72	72	70	72	73	68	64	67	60	53	51	45	43	46	44	45	44	50	57	63	68	75	84	60·2
19	84	81	78	82	91	88	87	88	83	75	69	61	57	52	52	53	51	55	72	78	82	85	71	85	87	73·4
20	87	87	91	97	98	99	98	87	81	73	68	59	53	42	50	47	50	54	58	76	73	83	82	85	79	74·0
21	79	78	81	85	84	85	89	91	92	94	92	91	88	88	85	79	76	77	85	95	92	98	94	98	97	87·7
22	97	96	97	95	93	91	91	94	90	85	80	80	73	71	70	74	76	76	79	84	86	84	86	85	87	84·5
23	87	86	84	87	93	94	92	87	88	84	76	68	66	64	62	59	59	59	62	70	76	82	86	90	90	77·6
24	90	91	96	96	95	96	96	94	86	69	65	61	59	60	70	80	64	78	87	87	89	92	94	94	95	83·0
25	95	94	93	95	94	94	92	92	87	76	71	68	62	52	48	64	60	61	55	53	69	77	81	87	86	75·7
26	86	86	90	89	94	94	94	87	81	62	58	56	52	52	50	55	60	63	67	67	73	80	84	84	85	73·5
27	85	85	83	82	84	88	89	93	88	84	79	79	79	82	73	70	63	67	65	71	74	74	80	83	87	79·2
28	87	89	92	93	94	95	96	91	82	72	69	82	83	88	78	84	85	89	94	94	91	93	93	92	91	87·9
29	91	93	93	93	92	94	92	90	84	73	63	61	55	48	46	49	46	48	49	59	62	68	75	76	79	70·5
30	79	80	84	85	86	86	87	87	86	80	73	62	53	51	51	48	45	54	88	90	93	92	95	93	95	76·5
31	95	93	93	94	94	96	94	94	93	89	74	62	54	54	53	55	49	57	61	68	68	71	74	79	82	75·3
Mean ...	83·1	84·4	86·5	87·9	89·1	89·0	88·2	84·0	79·1	71·5	65·8	60·8	56·5	53·8	52·0	52·5	51·6	54·5	58·9	63·4	68·5	73·4	76·9	80·8	82·9	71·3
Normals 1886-1910.	85·8	86·8	87·7	88·5	89·0	89·0	88·2	84·9	80·2	74·3	69·9	65·4	63·0	61·0	59·9	59·7	59·9	61·7	64·9	70·4	75·9	79·5	82·4	84·1	85·9	75·5

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12 W., Lat. 55° 19′ N. **ESKDALEMUIR.** AUGUST, 1911.

Heights above Mean Sea Level: Station, $H = 243{\cdot}2$m. Barometer, $H_b = 237{\cdot}1$m. Heights above Ground: Thermometers, $h_t = 0{\cdot}8$m. Rain-gauge, $h_r = 0{\cdot}3$m. Sunshine Recorder, $h_s = 1{\cdot}5$m. Vane of Anemometer, $h_a = 15{\cdot}2$m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE* and TEMPERATURE.† AUGUST, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9880	·9841	92·4	84·3	9	·9917	·9902	94·7	84·6	17	·9943	*·9881*	94·6	77·5	25	·9810	·9739	89·2	84·6
2	·9913	·9868	91·5	86·2	10	·9983	·9912	92·6	82·3	18	*·9881*	·9856	94·1	85·6	26	·9828	·9790	88·4	83·8
3	·9868	·9834	90·2	80·6	11	·9982	·9958	90·1	81·8	19	·9871	·9821	91·9	81·8	27	·9839	·9807	88·4	80·2
4	·9862	·9833	90·8	80·1	12	·9965	·9932	92·4	85·8	20	·9823	·9789	92·9	81·2	28	·9815	·9786	89·9	83·9
5	·9833	·9757	88·8	84·1	13	·9985	·9958	**96·1**	86·3	21	·9804	·9776	88·0	84·4	29	·9896	·9777	89·8	81·9
6	·9843	·9758	88·8	82·9	14	**·9988**	·9970	92·8	80·7	22	·9851	·9802	88·3	78·6	30	·9954	·9896	89·8	**75·7**
7	·9922	·9842	90·4	85·8	15	·9970	·9945	91·1	79·8	23	·9851	·9827	90·3	76·3	31	·9944	·9845	87·5	82·5
8	·9940	·9917	94·9	87·3	16	·9950	·9938	90·3	77·7	24	·9827	**·9727**	88·7	79·2	Mean	—	—	91·0	82·2

TABLE II.

ESKDALEMUIR. AUGUST, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9864	·9861	·9857	·9854	·9851	·9850	·9851	·9851	·9849	·9850	·9850	·9848	·9842	·9841	·9845	·9843	·9845	·9851	·9859	·9862	·9863	·9868	·9874	·9878	·9880	·9855
2	·9880	·9882	·9881	·9884	·9885	·9890	·9895	·9900	·9907	·9909	·9909	·9909	·9913	·9910	·9908	·9902	·9898	·9893	·9890	·9886	·9884	·9882	·9880	·9876	·9868	·9894
3	·9868	·9862	·9860	·9855	·9854	·9851	·9852	·9852	·9856	·9852	·9853	·9851	·9849	·9846	·9843	·9842	·9839	·9838	·9837	·9836	·9841	·9844	·9848	·9850	·9851	·9849
4	·9851	·9847	·9848	·9845	·9849	·9851	·9851	·9854	·9854	·9857	·9860	·9859	·9860	·9861	·9862	·9861	·9861	·9858	·9856	·9852	·9854	·9852	·9847	·9842	·9833	·9854
5	·9833	·9824	·9811	·9797	·9785	·9779	·9775	·9771	·9766	·9764	·9764	·9761	·9760	·9760	·9761	·9761	·9760	·9758	·9758	·9760	·9763	·9764	·9764	·9761	·9760	·9772
6	·9760	·9761	·9764	·9766	·9770	·9773	·9776	·9778	·9782	·9788	·9790	·9789	·9788	·9785	·9784	·9783	·9788	·9788	·9793	·9801	·9813	·9825	·9833	·9836	·9843	·9790
7	·9843	·9845	·9849	·9850	·9853	·9861	·9868	·9871	·9878	·9880	·9881	·9884	·9890	·9895	·9896	·9899	·9901	·9903	·9907	·9911	·9913	·9915	·9917	·9917	·9922	·9886
8	·9922	·9924	·9927	·9924	·9926	·9926	·9925	·9929	·9931	·9937	·9940	·9938	·9933	·9934	·9933	·9933	·9928	·9924	·9922	·9923	·9921	·9922	·9922	·9920	·9917	·9928
9	·9917	·9913	·9911	·9908	·9905	·9906	·9907	·9905	·9905	·9905	·9907	·9905	·9907	·9907	·9908	·9906	·9903	·9903	·9903	·9908	·9907	·9909	·9912	·9912	·9912	·9907
10	·9912	·9917	·9921	·9925	·9929	·9933	·9936	·9940	·9946	·9950	·9951	·9953	·9955	·9957	·9959	·9960	·9958	·9957	·9958	·9963	·9974	·9976	·9981	·9983	·9982	·9951
11	·9982	·9981	·9982	·9982	·9980	·9982	·9980	·9979	·9976	·9977	·9971	·9969	·9966	·9964	·9962	·9961	·9961	·9961	·9961	·9961	·9961	·9963	·9963	·9961	·9963	·9970
12	·9963	·9960	·9959	·9955	·9954	·9954	·9955	·9956	·9955	·9957	·9954	·9949	·9947	·9950	·9946	·9943	·9934	·9932	·9943	·9946	·9950	·9953	·9956	·9957	·9958	·9951
13	·9958	·9958	·9961	·9963	·9964	·9962	·9965	·9967	·9971	·9973	·9976	·9976	·9975	·9975	·9974	·9973	·9971	·9970	·9969	·9973	·9978	·9980	·9983	·9984	·9985	·9971
14	·9985	·9983	·9982	·9981	·9984	·9986	·9984	·9985	·9986	·9986	·9987	·9988	·9985	·9978	·9976	·9973	·9971	·9971	·9971	·9971	·9972	·9974	·9973	·9973	·9970	·9979
15	·9970	·9967	·9964	·9963	·9961	·9961	·9960	·9962	·9961	·9958	·9959	·9958	·9958	·9956	·9955	·9951	·9949	·9947	·9946	·9947	·9949	·9951	·9951	·9952	·9950	·9956
16	·9950	·9948	·9947	·9944	·9943	·9943	·9944	·9945	·9947	·9944	·9944	·9946	·9947	·9946	·9944	·9941	·9940	·9939	·9940	·9941	·9946	·9946	·9947	·9946	·9943	·9944
17	·9943	·9940	·9940	·9937	·9936	·9934	·9933	·9932	·9929	·9923	·9925	*·9923*	*·9921*	*·9918*	*·9915*	·9912	*·9909*	*·9905*	*·9903*	*·9900*	*·9898*	·9895	*·9891*	*·9886*	*·9881*	·9917
18	*·9881*	*·9878*	*·9869*	*·9862*	*·9859*	*·9861*	*·9861*	*·9862*	*·9863*	·9863	·9859	·9861	·9860	·9859	·9859	·9860	·9856	·9856	·9859	·9863	·9866	·9868	·9869	·9872	·9871	·9863
19	·9871	·9868	·9865	·9864	·9860	·9857	·9857	·9855	·9855	·9854	·9854	·9852	·9847	·9845	·9840	·9836	·9833	·9829	·9827	·9828	·9827	·9825	·9825	·9823	·9821	·9845
20	·9821	·9821	·9816	·9814	·9812	·9809	·9809	·9809	·9809	·9807	·9807	·9805	·9805	·9802	·9800	·9798	·9794	·9793	·9790	·9789	·9791	·9792	·9792	·9793	·9791	·9803
21	·9791	·9785	·9783	·9779	·9778	·9779	·9778	·9777	·9778	·9781	·9778	·9779	·9780	·9781	·9781	·9779	·9780	·9780	·9781	·9785	·9795	·9797	·9803	·9802	·9803	·9784
22	·9803	·9803	·9803	·9803	·9806	·9807	·9811	·9814	·9821	·9823	·9824	·9827	·9828	·9829	·9834	·9835	·9836	·9835	·9835	·9838	·9845	·9846	·9848	·9850	·9851	·9826
23	·9851	·9847	·9849	·9846	·9847	·9848	·9849	·9847	·9847	·9849	·9850	·9847	·9847	·9845	·9843	·9841	·9839	·9838	·9836	·9836	·9836	·9838	·9835	·9831	·9827	·9843
24	·9827	·9826	·9819	·9811	·9804	·9799	·9792	·9784	·9777	·9772	·9761	·9758	·9746	·9746	·9738	·9729	·9727	·9728	·9727	·9727	·9732	·9734	·9737	·9738	·9740	·9762
25	·9740	·9743	·9744	·9748	·9753	·9755	·9760	·9763	·9768	·9768	·9772	·9770	·9772	·9774	·9775	·9777	·9776	·9778	·9782	·9789	·9794	·9798	·9804	·9807	·9810	·9773
26	·9810	·9811	·9813	·9813	·9814	·9818	·9821	·9823	·9825	·9828	·9827	·9825	·9825	·9827	·9824	·9815	·9807	·9806	·9803	·9795	·9794	·9793	·9796	·9801	·9807	·9813
27	·9807	·9811	·9815	·9818	·9820	·9828	·9833	·9836	·9837	·9836	·9836	·9832	·9832	·9829	·9828	·9824	·9821	·9817	·9816	·9819	·9821	·9819	·9818	·9814	·9811	·9824
28	·9811	·9806	·9803	·9804	·9804	·9805	·9805	·9808	·9811	·9809	·9811	·9812	·9812	·9814	·9810	·9808	·9803	·9802	·9800	·9795	·9798	·9796	·9793	·9788	·9788	·9804
29	·9788	·9784	·9785	·9782	·9779	·9781	·9787	·9787	·9792	·9794	·9797	·9807	·9810	·9818	·9824	·9828	·9834	·9844	·9854	·9861	·9871	·9880	·9887	·9892	·9896	·9822
30	·9896	·9900	·9908	·9911	·9914	·9918	·9925	·9930	·9934	·9938	·9942	·9943	·9944	·9945	·9945	·9944	·9943	·9943	·9944	·9946	·9950	·9952	·9951	·9945	·9944	·9935
31	·9944	·9942	·9937	·9931	·9925	·9924	·9920	·9922	·9915	·9907	·9898	·9890	·9889	·9887	·9878	·9865	·9859	·9861	·9854	·9849	·9847	·9846	·9846	·9847	·9845	·9889
Mean...	0·9 8723	0·9 8709	0·9 8701	0·9 8684	0·9 8679	0·9 8687	0·9 8698	0·9 8708	0·9 8720	0·9 8722	0·9 8722	0·9 8714	0·9 8707	0·9 8705	0·9 8694	0·9 8672	0·9 8653	0·9 8648	0·9 8653	0·9 8665	0·9 8695	0·9 8711	0·9 8725	0·9 8722	0·9 8717	0·9 8696
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* AUGUST, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	0·5	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·9	—	4·5	—	4·9	—	4·9	—	5·4	—	6·7
2	—	3·6	—	4·5	—	4·0	—	5·4	—	4·5	—	4·0	—	4·5	—	4·5	—	4·9	—	6·3	—	7·2	—	7·6
3	—	2·7	—	5·4	—	6·3	—	8·1	—	5·8	—	5·8	—	6·3	—	7·2	—	8·5	—	9·8	—	10·3	—	9·8
4	—	0·5	—	0·0	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	4·5	—	6·3	—	7·2	—	6·7	—	7·2
5	—	0·5	—	0·9	—	2·2	—	5·4	—	4·9	—	5·4	—	6·3	—	8·9	—	10·7	—	8·9	—	7·6	—	7·2
6	—	3·6	—	6·3	—	5·8	—	7·2	—	7·2	—	7·2	—	7·6	—	8·1	—	8·1	—	7·2	—	7·2	—	8·9
7	—	2·7	—	3·1	—	4·9	—	8·1	—	6·7	—	6·7	—	8·9	—	7·6	—	8·9	—	10·7	—	10·3	—	8·1
8	—	7·6	—	8·1	—	9·4	—	8·5	—	10·3	—	11·2	—	11·2	—	9·8	—	8·5	—	8·9	—	9·8	—	9·4
9	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	8·1	—	8·5	—	7·2	—	6·7
10	—	†	—	†	—	†	—	2·7	—	1·3	—	†	—	†	—	4·9	—	4·0	—	3·6	—	2·7	—	2·7
11	—	2·2	—	4·5	—	4·5	—	3·6	—	2·7	—	4·5	—	8·1	—	8·1	—	8·1	—	8·1	—	8·1	—	8·5
12	—	6·3	—	6·3	—	5·8	—	5·8	—	4·9	—	5·4	—	5·4	—	6·7	—	6·3	—	6·3	—	6·7	—	6·7
13	—	4·9	—	5·4	—	4·0	—	4·5	—	5·4	—	5·8	—	5·4	—	5·8	—	5·8	—	6·3	—	6·3	—	5·4
14	—	2·2	—	1·8	—	1·3	—	0·5	—	1·3	—	0·9	—	3·6	—	4·5	—	4·9	—	5·8	—	6·3	—	5·4
15	—	0·0	—	1·3	—	2·2	—	2·2	—	4·0	—	3·6	—	2·7	—	3·1	—	3·1	—	3·1	—	4·0	—	4·0
16	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	0·0	—	0·5	—	0·9	—	0·9
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	1·8	—	2·7	—	4·5	—	5·8
18	—	1·8	—	0·9	—	0·9	—	2·2	—	2·7	—	2·2	—	4·5	—	5·4	—	4·5	—	5·4	—	4·5	—	4·5
19	—	0·5	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	1·8	—	2·2	—	0·9	—	1·3	—	2·2
20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	—	2·2	—	1·8	—	2·2	—	2·2
21	—	3·6	—	1·3	—	2·7	—	3·6	—	2·2	—	4·5	—	4·0	—	3·6	—	4·0	—	5·4	—	6·3	—	6·7
22	—	5·8	—	4·9	—	5·4	—	4·0	—	5·4	—	5·8	—	6·3	—	6·7	—	6·3	—	6·3	—	5·4	—	4·9
23	—	0·9	—	0·5	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	—	3·1	—	4·9	—	4·0
24	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	4·0	—	5·4	—	7·2	—	6·3	—	4·5
25	—	9·8	—	9·4	—	8·1	—	7·2	—	7·2	—	8·5	—	8·1	—	9·4	—	8·9	—	9·8	—	11·6	—	11·6
26	—	4·5	—	4·5	—	4·5	—	5·8	—	5·8	—	4·9	—	5·8	—	6·7	—	8·1	—	8·9	—	8·1	—	9·8
27	—	2·2	—	1·8	—	0·5	—	1·3	—	1·8	—	0·5	—	1·8	—	2·7	—	5·4	—	4·9	—	6·3	—	8·5
28	—	5·8	—	5·8	—	4·5	—	3·6	—	4·0	—	4·0	—	4·9	—	5·4	—	7·6	—	8·1	—	8·9	—	8·9
29	—	8·5	—	9·8	—	12·1	—	13·0	—	13·0	—	12·1	—	12·1	—	13·9	—	13·4	—	14·3	—	12·5	—	13·4
30	—	0·9	—	2·2	—	1·3	—	0·9	—	0·5	—	0·5	—	0·5	—	2·2	—	4·0	—	4·0	—	4·0	—	4·0
31	—	5·8	—	5·8	—	4·5	—	4·5	—	2·2	—	2·7	—	6·3	—	8·9	—	8·9	—	11·2	—	12·5	—	11·6
Mean ...	—	3·1‡	—	3·5‡	—	3·5‡	—	3·8§	—	3·7§	—	3·8‡	—	4·5‡	—	5·5§	—	6·0	—	6·5	—	6·6	—	6·7
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.
1	—	5·8	—	7·2	—	7·2	—	8·5	—	7·6	—	5·8	—	4·0	—	2·2	—	1·3	—	0·9	—	0·9	—	1·8	3·5
2	—	8·1	—	7·2	—	7·2	—	4·9	—	3·6	—	3·6	—	2·2	—	2·7	—	3·1	—	3·1	—	4·0	—	2·7	4·7
3	—	10·7	—	11·6	—	11·2	—	10·7	—	9·8	—	8·1	—	6·7	—	6·3	—	3·6	—	2·7	—	0·0	—	0·5	7·0
4	—	6·7	—	8·5	—	7·2	—	6·7	—	5·8	—	5·4	—	2·7	—	2·7	—	1·3	—	0·0	—	0·5	—	0·5	3·4
5	—	6·7	—	6·7	—	5·8	—	5·8	—	5·4	—	5·8	—	6·7	—	4·5	—	4·9	—	2·7	—	5·8	—	4·9	5·6
6	—	7·2	—	6·3	—	6·7	—	7·2	—	6·7	—	8·5	—	7·2	—	6·7	—	4·0	—	4·5	—	4·9	—	2·7	6·5
7	—	8·9	—	10·3	—	10·3	—	11·2	—	10·3	—	8·5	—	8·5	—	8·9	—	9·4	—	9·4	—	10·7	—	9·4	8·4
8	—	8·1	—	8·5	—	8·9	—	7·6	—	6·3	—	3·6	—	1·3	—	0·5	—	0·9	—	1·8	—	3·1	—	1·8	6·9
9	—	8·1	—	4·9	—	4·9	—	4·5	—	4·0	—	3·6	—	3·1	—	2·2	—	1·3	—	†	—	†	—	†	?
10	—	3·1	—	2·7	—	2·7	—	2·7	—	2·7	—	1·8	—	3·6	—	1·3	—	2·7	—	†	—	†	—	1·3	?
11	—	9·4	—	9·4	—	9·8	—	8·9	—	7·2	—	6·7	—	6·7	—	5·4	—	5·8	—	6·7	—	6·7	—	5·8	6·6
12	—	6·7	—	6·7	—	6·7	—	10·7	—	10·7	—	6·3	—	6·7	—	5·8	—	7·2	—	6·3	—	6·7	—	6·3	6·6
13	—	4·5	—	3·6	—	3·1	—	5·4	—	6·3	—	4·9	—	4·5	—	2·2	—	1·8	—	0·5	—	0·9	—	2·7	4·4
14	—	5·8	—	7·2	—	6·3	—	6·7	—	5·4	—	3·1	—	2·7	—	4·5	—	4·0	—	1·3	—	1·3	—	2·7	3·7
15	—	4·9	—	5·8	—	5·8	—	4·0	—	3·6	—	2·7	—	1·8	—	1·8	—	2·2	—	1·8	—	1·8	—	0·0	2·9
16	—	0·5	—	0·9	—	0·9	—	0·0	—	0·9	—	1·3	—	0·9	—	1·3	—	0·9	—	1·3	—	0·5	—	0·0	?
17	—	5·8	—	4·9	—	4·9	—	5·4	—	4·5	—	3·1	—	2·2	—	3·1	—	3·1	—	2·2	—	2·7	—	2·2	2·5
18	—	4·9	—	3·1	—	4·0	—	4·5	—	5·8	—	6·7	—	3·6	—	1·8	—	1·3	—	0·5	—	0·0	—	0·0	3·2
19	—	2·7	—	4·0	—	3·1	—	3·1	—	4·0	—	3·6	—	0·9	—	0·0	—	0·9	—	0·5	—	0·9	—	0·5	1·6
20	—	3·1	—	2·2	—	1·3	—	0·9	—	0·5	—	0·0	—	0·9	—	1·8	—	3·6	—	3·6	—	3·6	—	3·6	1·4
21	—	7·2	—	7·2	—	7·2	—	6·7	—	6·7	—	6·7	—	6·7	—	5·4	—	5·8	—	4·9	—	4·9	—	5·8	5·1
22	—	4·9	—	3·6	—	4·0	—	3·1	—	3·1	—	3·1	—	1·3	—	0·9	—	1·3	—	2·7	—	2·2	—	1·3	4·1
23	—	4·5	—	4·9	—	6·7	—	5·8	—	5·8	—	3·1	—	2·2	—	0·0	—	0·9	—	0·5	—	0·5	—	0·5	2·1
24	—	4·9	—	7·6	—	9·8	—	12·1	—	10·7	—	11·2	—	10·7	—	9·4	—	8·9	—	8·9	—	8·9	—	8·9	6·0
25	—	11·6	—	11·6	—	10·3	—	11·2	—	9·4	—	9·4	—	8·1	—	7·2	—	6·7	—	4·0	—	4·5	—	4·0	8·7
26	—	8·5	—	8·9	—	8·9	—	10·3	—	11·2	—	9·8	—	10·3	—	8·5	—	8·5	—	6·3	—	4·5	—	3·1	7·3
27	—	8·9	—	7·6	—	8·1	—	7·2	—	7·6	—	5·8	—	4·9	—	2·2	—	4·0	—	6·3	—	5·8	—	6·7	4·7
28	—	10·3	—	11·2	—	10·3	—	10·3	—	9·8	—	10·7	—	9·4	—	7·2	—	4·0	—	4·5	—	7·2	—	5·8	7·2
29	—	13·4	—	12·5	—	10·7	—	9·4	—	8·9	—	7·2	—	5·4	—	2·7	—	1·8	—	1·3	—	2·2	—	4·0	9·5
30	—	4·5	—	5·4	—	5·4	—	5·8	—	5·8	—	5·8	—	6·3	—	3·6	—	0·5	—	0·5	—	1·3	—	2·7	3·0
31	—	12·5	—	13·9	—	14·3	—	15·7	—	13·4	—	14·8	—	15·7	—	15·2	—	14·3	—	13·4	—	12·1	—	12·1	10·5
Mean	—	6·9	—	7·0	—	6·9	—	7·0	—	6·6	—	5·8	—	5·1	—	4·1	—	3·9	—	3·6§	—	3·8§	—	3·5‖	5·1
Normals.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.
† No record. ‡ Mean for 28 days only. § Mean for 29 days only. ‖ Mean for 30 days only.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. AUGUST, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25
3	1·52	2·29	—	—	—	0·51	—	—	—	0·51	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	5·08
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	1·52	3·05	0·25	0·51	0·76	0·76	1·02	1·02	—	0·51	5·08	—	0·25	0·25	—	—	—	—	—	—	0·51	2·03	0·51	18·03
6	0·25	—	—	—	—	—	—	—	—	—	0·51	—	0·51	1·27	—	—	3·05	0·25	0·25	—	—	—	—	—	6·09
7	—	—	—	—	—	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	1·27	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·52
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	1·27	0·25	0 25	0·25	—	—	—	1·02	—	—	—	—	—	—	3·04
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	0·76	—	—	—	—	—	—	1·27
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·76	4·82	2·29	1·78	0·25	0·25	—	—	—	10·66
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	1·02	0·25	0·25	—	—	—	—	—	—	2·03
28	0·25	—	3·30	1·27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	5·07
29	—	—	—	—	—	—	2·03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·03
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·78	4·32	2·54	2·03	1·27	3·05	1·27	1·02	1·78	1·02	20·33
Sum ...	2·02	3·81	6·60	1·52	0·51	3·05	3·29	1·02	1·02	1·02	2·29	5·33	0·76	2·02	3·56	6·10	10·66	6·60	3·55	3·55	1·52	1·53	3·81	1·78	76·92
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. AUGUST, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	·9	·4	·2	—	—	—	·8	·2	—	·3	·5	·8	—	—	—	—	4·1	∞.
2	—	—	·4	·2	·5	·5	·8	·5	·5	·6	·2	·2	—	—	—	—	—	4·4	⊕ at 15h.
3	—	—	—	·4	·5	·5	·3	—	·5	·6	·8	·6	·4	·1	·1	—	—	4·8	
4	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·3	·3	·1	—	—	9·4	
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·2	—	—	0·2	
6	—	·1	·5	·9	·6	·1	—	—	—	—	—	—	—	—	—	—	—	2·2	
7	—	—	—	—	·3	·4	·2	·1	—	—	·4	·2	·2	—	—	—	—	1·8	
8	—	—	—	—	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	8·7	≋° at night.
9	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·5	—	13·9	Distant ☈ in E.
10	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·8	·9	1·0	1·0	1·0	·6	—	13·8	∞ in N. during afternoon.
11	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	·2	·6	·3	—	—	10·9	At 15h. the A. Cu. travelling visibly faster [from S. than the Cu. [from N.E.
12	—	—	·1	·8	·5	·7	·6	1·0	·9	·7	·7	1·0	1·0	·7	—	—	—	8·7	≋° at night.
13	—	—	·1	·2	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	11·6	⌓.
14	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	·6	—	—	—	11·8	⌓, ≋ early; ⊕ at 13h.
15	—	—	—	—	—	—	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	8·4	
16	—	—	—	—	—	—	—	—	—	·2	·1	—	·2	—	—	—	—	0·5	Cloud almost motionless during day.
17	—	—	—	·8	·9	·9	·6	1·0	1·0	·7	·4	—	·8	·5	·2	—	—	7·8	≋° early, and again after 21h.
18	—	—	—	·2	·8	·2	·2	·6	1·0	·9	1·0	·9	·9	·6	·5	·1	—	7·9	
19	—	—	—	—	—	·1	·1	·6	·5	·3	·9	·3	·7	·8	·6	—	—	4·9	⊕ at 15h., et. sq. Halo of 45° seen at 17h.
20	—	—	·2	·8	·9	1·0	·8	·9	1·0	·6	·3	·1	·7	·1	—	·1	—	7·5	⊕ at 14h.-15h. [25m. Complete cirro-
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·4	·2	—	0·6	≋° early. [nebula above.
22	—	—	·1	·7	·5	·8	·1	·2	—	—	·1	·6	·5	1·0	1·0	·2	—	5·8	
23	—	—	·8	·1	·8	·8	·9	·8	·7	·7	·2	·8	·2	1·0	1·0	·2	—	9·0	
24	—	—	—	—	—	—	—	—	—	—	—	·4	·2	·2	—	—	—	0·8	
25	—	—	—	·1	·8	·8	·5	·8	·9	·4	·1	·3	·3	·1	—	—	—	5·1	
26	—	—	—	—	—	·1	·1	·2	·1	—	—	—	—	—	—	—	—	0·5	≋ evening and night.
27	—	—	—	·2	·8	·9	·7	—	—	—	—	—	—	—	—	—	—	2·6	
28	—	—	—	—	·7	1·0	1·0	·9	·8	1·0	1·0	1·0	·8	·3	—	—	—	8·5	< (reflected) at 21h.-22h.
29	—	—	·3	·2	·9	·5	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	—	10·5	
30	—	—	·8	1·0	1·0	·9	·5	·9	·8	·9	1·0	·7	·8	·4	—	—	—	9·7	
31	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	0·1	
	—	2·9	7·8	11·8	16·3	16·2	14·1	18·1	17·9	16·3	16·0	16·0	15·9	13·2	10·3	3·7	—	196·5	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE† IN DEGREES ABSOLUTE,—DRY-BULB. AUGUST, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	87·1	86·7	85·9	86·2	85·4	84·6	86·9	89·0	90·8	90·0	89·2	90·1	91·8	91·9	91·3	90·7	90·9	89·5	89·1	88·9	87·5	87·4	86·7	86·5	86·3	88·5
2	86·3	86·8	87·0	87·0	86·9	86·8	87·0	88·1	88·1	88·9	89·6	90·3	90·2	91·3	90·4	90·9	91·3	90·7	90·1	89·1	88·4	87·4	87·4	87·0	86·2	88·6
3	86·2	86·0	86·0	86·5	86·5	86·4	86·3	86·5	87·2	87·9	87·4	88·5	88·5	89·1	89·6	88·9	89·1	88·5	88·1	87·4	87·1	85·9	85·1	82·9	80·6	87·0
4	80·6	80·5	80·7	80·9	82·0	82·6	83·8	85·0	88·0	88·5	89·3	89·4	89·9	90·6	90·1	89·7	88·7	88·4	87·9	87·0	85·8	84·6	83·6	83·6	84·2	86·0
5	84·2	84·7	84·6	85·9	86·4	86·8	87·2	87·8	88·8	88·7	88·7	88·2	87·9	87·9	87·5	87·4	87·5	87·6	87·5	86·8	86·0	85·4	85·6	86·3	84·6	86·9
6	84·6	83·6	83·7	83·3	83·5	83·3	83·6	84·3	85·6	85·8	86·0	85·2	86·9	86·2	86·3	87·6	88·1	88·7	88·2	88·1	87·1	86·7	86·8	86·5	86·3	85·9
7	86·3	85·9	86·3	86·4	86·9	87·0	87·0	87·4	87·4	88·4	89·1	89·3	89·0	89·1	90·2	89·1	89·4	89·0	88·6	88·4	88·0	87·9	87·9	87·9	87·8	88·0
8	87·8	87·5	87·6	87·5	87·4	87·4	87·9	88·0	88·4	88·8	89·0	89·6	91·4	91·9	93·5	93·9	94·0	94·8	94·8	93·7	90·2	88·6	87·3	88·2	87·5	90·0
9	87·5	87·4	86·9	86·7	86·8	86·4	87·3	89·9	92·4	92·8	93·0	93·5	93·6	93·6	94·1	94·2	94·5	94·5	93·5	91·5	89·2	88·5	87·5	86·1	84·6	90·4
10	84·6	83·8	84·0	83·1	84·2	83·9	86·3	87·5	88·5	89·6	90·3	90·9	91·8	92·0	91·9	91·8	92·4	92·4	92·2	89·1	88·5	85·7	85·6	83·6	82·8	88·0
11	82·8	82·5	83·5	83·7	83·9	84·1	84·6	85·1	86·4	87·5	88·9	89·3	89·6	89·8	89·8	88·1	87·8	87·4	86·9	86·3	85·9	85·9	85·7	85·6	85·8	86·4
12	85·8	86·0	86·2	86·4	86·5	86·7	87·1	87·4	88·6	89·1	89·9	90·8	91·9	91·3	91·9	91·8	91·8	90·5	88·8	87·8	87·4	87·2	87·1	87·2	87·3	88·6
13	87·3	87·4	87·4	87·4	87·3	87·2	87·3	88·0	88·6	89·7	90·8	92·0	93·5	94·8	95·6	96·0	95·8	95·3	94·3	92·6	90·5	89·1	88·2	86·8	86·4	90·5
14	86·4	85·8	86·1	85·2	84·2	83·5	85·4	86·4	87·9	88·7	89·7	90·2	91·5	91·7	91·8	92·6	90·7	90·2	88·7	87·9	85·9	84·6	82·9	82·8	82·3	87·5
15	82·3	81·5	81·3	80·8	80·9	81·7	83·3	84·0	85·2	85·8	86·5	88·1	89·6	89·7	90·3	90·4	90·8	90·2	89·6	87·6	85·7	84·6	82·5	82·0	80·8	85·6
16	80·8	79·1	78·7	78·4	78·1	80·1	81·7	82·6	83·4	84·8	86·1	86·9	87·4	88·6	89·5	89·7	89·9	89·9	89·0	88·1	87·5	84·1	82·5	81·9	80·7	84·5
17	80·7	80·2	79·7	78·5	78·2	77·8	78·7	80·3	84·6	89·8	91·1	92·3	93·0	93·5	93·2	93·4	94·5	92·6	91·3	89·7	88·6	88·0	88·2	87·9	88·1	87·1
18	88·1	87·9	87·9	87·8	87·9	87·9	88·1	88·1	89·0	90·2	89·1	90·0	91·4	92·4	93·6	93·6	93·6	92·1	90·2	89·6	87·8	86·7	85·8	85·8	85·8	89·3
19	85·8	85·2	85·4	85·0	84·2	83·7	84·9	86·1	87·3	88·2	89·2	90·1	91·2	91·0	91·8	91·7	91·8	91·5	90·6	87·5	86·8	84·2	83·0	82·4	82·1	87·4
20	82·1	81·8	82·4	82·5	82·3	82·1	82·1	83·9	85·9	89·1	90·8	90·3	91·3	92·1	91·8	92·4	92·6	92·3	92·2	88·2	85·3	86·8	86·7	86·5	86·3	87·3
21	86·3	86·1	85·8	85·7	85·3	85·1	84·9	85·2	85·3	85·7	86·1	86·7	87·1	87·6	87·6	87·4	87·5	87·3	87·0	86·3	85·2	85·0	84·8	84·6	84·6	86·0
22	84·6	84·6	84·5	84·5	84·2	84·2	84·2	84·0	85·2	85·4	87·4	86·8	87·0	87·4	87·1	87·3	87·6	87·6	86·9	84·7	81·8	80·7	80·7	80·1	79·3	84·8
23	79·3	78·2	78·2	77·4	77·5	77·4	76·9	80·4	83·0	85·9	87·8	87·9	87·9	89·9	89·6	89·6	89·0	89·1	88·5	85·9	82·7	80·8	80·2	79·7	79·3	83·4
24	79·3	80·4	82·0	82·1	82·1	82·9	84·0	85·1	86·7	87·0	87·7	86·9	86·4	86·3	87·3	87·9	88·2	88·1	87·4	86·9	86·7	86·3	86·4	86·2	85·7	85·6
25	85·7	85·6	85·3	85·2	85·2	84·9	84·8	85·2	85·6	86·3	87·0	87·8	89·2	88·6	88·6	87·4	87·4	86·8	86·1	86·3	86·3	86·1	85·7	85·4	84·7	86·3
26	84·7	84·9	85·1	84·7	84·5	84·2	84·1	84·6	85·7	86·8	87·4	86·3	87·5	86·9	87·3	87·6	87·8	87·5	87·3	87·6	87·9	87·9	88·4	86·7	85·9	86·4
27	85·9	85·4	84·0	82·4	81·9	80·2	81·3	82·9	84·4	86·7	86·8	88·1	88·0	87·5	87·0	86·7	86·4	86·0	85·7	85·5	85·2	85·3	85·8	86·3	86·3	85·2
28	86·3	86·3	86·1	86·1	85·8	85·7	85·7	86·2	86·4	88·7	88·0	89·0	89·6	89·0	89·5	89·2	88·9	87·9	87·4	86·9	85·8	84·4	84·3	85·2	84·8	87·0
29	84·8	84·7	84·8	84·6	84·1	83·9	84·0	84·0	85·2	86·3	85·6	87·0	87·9	88·6	88·5	89·6	89·0	88·5	87·1	85·2	84·6	83·5	83·0	82·4	82·3	85·7
30	82·3	81·3	80·8	80·4	77·2	76·7	76·3	79·1	84·5	86·0	85·9	86·4	87·5	87·8	89·1	89·4	88·1	86·8	86·6	85·2	83·1	82·9	83·4	83·4	84·0	83·8
31	84·0	84·7	84·7	84·8	84·3	83·3	82·5	84·8	85·3	85·8	86·4	87·0	86·4	86·8	87·2	86·2	86·0	85·9	86·0	86·1	86·1	86·3	86·2	86·0	85·9	85·6
Mean ...	84·5	84·3	84·3	84·1	83·9	83·8	84·4	85·4	86·8	87·8	88·4	88·9	89·5	89·8	90·1	90·1	90·0	89·6	89·0	87·8	86·6	85·8	85·3	85·0	84·5	86·9
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). AUGUST, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	99	95	98	95	98	97	93	87	78	80	90	91	79	78	82	84	81	90	93	91	95	99	100	100	100	90·6
2	100	100	100	100	100	95	99	94	93	86	79	76	72	69	67	68	71	74	78	84	89	95	94	93	95	86·4
3	95	98	100	99	98	99	99	97	85	79	93	84	91	83	78	80	84	91	92	100	94	96	96	97	95	92·0
4	95	90	94	95	100	99	100	100	78	72	65	64	61	63	68	68	78	75	82	87	93	95	94	100	100	84·1
5	100	93	99	100	100	100	100	100	100	100	100	99	100	97	98	96	98	94	92	93	97	97	99	99	87	97·7
6	87	94	91	90	91	90	88	83	78	75	79	94	88	90	96	97	92	88	93	92	91	88	89	88	92	88·9
7	92	98	98	96	96	98	99	94	93	83	75	80	85	86	82	88	85	91	92	91	96	95	95	95	94	91·0
8	94	97	94	93	96	93	89	92	89	87	90	87	82	78	64	66	66	65	70	77	90	90	95	92	92	84·8
9	92	89	92	90	92	90	88	88	78	74	77	75	81	69	73	69	62	67	69	82	82	85	82	87	92	80·5
10	92	91	82	91	88	86	71	70	67	58	61	57	58	60	60	57	54	54	59	77	77	82	89	91	93	72·2
11	93	91	95	92	90	87	87	83	82	75	69	69	68	69	71	71	74	76	81	82	87	91	95	95	99	82·4
12	99	99	99	98	98	96	97	94	89	89	87	82	83	86	87	83	84	85	93	96	100	99	99	100	100	92·6
13	100	99	100	100	95	97	96	94	92	88	83	82	79	75	74	74	77	79	81	85	92	93	96	95	99	88·5
14	99	93	91	94	98	94	97	93	90	88	85	83	83	83	83	77	82	79	85	84	75	80	87	88	91	87·0
15	91	91	94	94	98	97	96	94	92	88	84	79	73	75	71	70	67	68	72	81	83	85	91	87	94	84·3
16	94	100	93	94	97	96	99	97	96	90	83	81	82	81	79	80	80	81	80	83	80	91	92	94	94	88·5
17	94	96	97	98	97	96	98	99	90	81	79	69	64	61	66	61	51	64	76	84	93	100	100	100	100	84·0
18	100	100	100	100	100	100	100	100	89	79	82	79	72	67	60	56	62	66	77	79	90	93	96	94	94	84·9
19	94	95	93	95	98	93	97	96	92	88	82	78	69	72	73	70	70	70	69	85	89	97	94	95	98	85·7
20	98	100	97	99	100	100	98	96	95	86	71	71	68	62	64	61	59	61	63	84	85	95	95	97	96	83·5
21	96	96	94	94	98	100	100	96	98	97	95	90	90	85	84	83	82	83	84	87	88	90	91	89	91	91·1
22	91	93	92	89	93	92	91	92	87	84	78	76	74	72	71	69	65	65	69	79	84	90	94	92	95	82·7
23	95	97	96	95	94	95	96	91	93	82	73	69	70	61	65	62	65	63	68	80	89	92	94	94	97	82·5
24	97	97	99	98	98	98	94	94	88	85	82	88	91	95	87	93	86	80	92	99	96	97	92	89	94	92·3
25	94	90	91	92	91	91	92	91	86	81	80	73	68	66	66	82	85	90	96	94	88	91	93	91	92	85·9
26	92	97	94	95	95	95	94	94	94	83	81	94	86	86	89	98	100	100	100	100	100	100	95	89	91	93·8
27	91	90	94	97	94	94	98	100	93	77	81	78	81	86	91	95	98	97	94	96	94	96	99	98	99	92·3
28	99	98	97	100	99	97	97	95	93	89	78	71	77	78	69	70	66	83	87	92	77	90	90	94	99	87·0
29	99	92	92	88	90	90	87	93	87	81	79	75	66	66	63	58	59	62	68	79	85	87	87	92	88	80·0
30	88	88	89	88	88	94	93	96	77	68	71	71	64	63	60	57	70	76	77	81	92	94	96	95	99	80·9
31	99	93	95	98	96	97	99	92	87	83	86	77	85	86	85	95	98	97	98	98	100	99	98	98	98	93·3
Mean ...	95·1	94·8	94·8	95·1	95·7	95·0	94·6	93·1	88·0	82·5	80·6	78·8	77·1	75·7	75·0	75·4	75·8	77·9	81·6	87·2	89·4	92·6	93·8	93·8	95·1	86·8
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** SEPTEMBER, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.
Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE* and TEMPERATURE†. SEPTEMBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0150	·0117	91·4	87·7	9	·0152	·0126	92·6	85·2	17	·0301	·0277	88·1	80·7	25	·0140	·0047	87·4	83·5
2	·0241	·0134	90·5	83·5	10	·0132	·0100	93·2	89·4	18	·0299	·0201	89·0	**78·9**	26	·0177	·0128	89·3	84·1
3	·0263	·0226	90·4	82·1	11	·0152	·0101	91·3	86·6	19	·0201	·9984	89·3	81·4	27	·0224	·0169	88·4	83·9
4	·0247	·0206	91·2	84·8	12	·0179	·0144	88·5	85·2	20	·9984	**·9949**	86·0	81·2	28	·0273	·0222	86·8	83·4
5	·0259	·0240	90·9	82·8	13	·0234	·0179	88·3	83·4	21	·0112	**·9949**	86·5	81·8	29	·0281	·0174	88·1	83·7
6	·0258	·0214	90·7	82·5	14	·0257	·0232	87·6	84·0	22	·0107	·0005	88·8	83·2	30	**·0321**	·0162	87·6	83·2
7	·0214	·0155	92·8	81·9	15	·0300	·0255	87·6	83·1	23	·0064	·9982	89·6	85·1					
8	·0157	·0120	**96·4**	84·3	16	·0304	·0280	86·5	80·2	24	·0145	·0064	87·8	83·3					
															Mean.	—	—	89·4	83·5

TABLE II.

VALENCIA. SEPTEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0150	·0149	·0146	·0144	·0140	·0137	·0135	·0134	·0135	·0135	·0134	·0133	·0132	·0132	·0130	·0126	·0121	·0118	·0120	·0121	·0125	·0130	·0131	·0131	·0134	·0133
2	·0134	·0140	·0143	·0148	·0152	·0154	·0164	·0172	·0180	·0183	·0189	·0193	·0194	·0198	·0203	·0207	·0209	·0213	·0215	·0221	·0224	·0232	·0234	·0237	·0241	·0191
3	·0241	·0244	·0241	·0238	·0239	·0241	·0249	·0253	·0258	·0261	·0262	·0262	·0259	·0260	·0260	·0256	·0255	·0253	·0247	·0246	·0248	·0245	·0240	·0230	·0226	·0249
4	·0226	·0228	·0230	·0228	·0222	·0212	·0210	·0207	·0212	·0215	·0214	·0214	·0219	·0220	·0222	·0219	·0221	·0225	·0229	·0232	·0238	·0243	·0243	·0247	·0246	·0224
5	·0246	·0245	·0243	·0241	·0241	·0244	·0245	·0247	·0249	·0253	·0255	·0256	·0257	·0257	·0258	·0254	·0252	·0253	·0253	·0254	·0257	·0258	·0255	·0257	·0256	·0251
6	·0256	·0255	·0251	·0248	·0244	·0243	·0243	·0243	·0245	·0244	·0244	·0244	·0240	·0236	·0234	·0229	·0224	·0221	·0219	·0220	·0221	·0221	·0219	·0216	·0214	·0235
7	·0214	·0213	·0211	·0205	·0201	·0197	·0197	·0199	·0197	·0196	·0196	·0194	·0190	·0185	·0182	·0179	·0174	·0173	·0169	·0168	·0168	·0167	·0163	·0159	·0155	·0186
8	·0155	·0153	·0145	·0138	·0134	·0130	·0127	·0127	·0130	·0130	·0128	·0130	·0126	·0127	·0124	·0124	·0121	·0122	·0124	·0130	·0135	·0142	·0142	·0150	·0149	·0133
9	·0149	·0152	·0150	·0147	·0143	·0141	·0139	·0140	·0143	·0145	·0147	·0148	·0146	·0144	·0142	·0139	·0128	·0127	·0129	·0130	·0134	·0136	·0135	·0132	·0130	·0140
10	·0130	·0130	·0128	·0127	·0121	·0117	·0113	·0115	·0119	·0116	·0119	·0120	·0117	·0116	·0113	·0110	·0108	·0105	·0104	·0104	·0105	·0106	·0103	·0101	·0102	·0114
11	·0102	·0102	·0103	·0106	·0107	·0108	·0113	·0119	·0127	·0134	·0136	·0137	·0136	·0137	·0140	·0138	·0137	·0139	·0142	·0142	·0142	·0151	·0149	·0143	·0144	·0130
12	·0144	·0147	·0146	·0145	·0147	·0146	·0151	·0151	·0150	·0156	·0160	·0158	·0155	·0156	·0158	·0156	·0155	·0157	·0161	·0164	·0170	·0175	·0177	·0178	·0179	·0158
13	·0179	·0182	·0180	·0181	·0182	·0185	·0188	·0195	·0200	·0202	·0206	·0205	·0207	·0209	·0210	·0211	·0213	·0216	·0219	·0222	·0225	·0229	·0231	·0232	·0234	·0206
14	·0234	·0233	·0233	·0233	·0233	·0236	·0242	·0244	·0247	·0248	·0249	·0251	·0251	·0249	·0247	·0245	·0242	·0241	·0243	·0245	·0251	·0254	·0256	·0257	·0255	·0245
15	·0255	·0257	·0257	·0258	·0262	·0264	·0266	·0267	·0268	·0271	·0270	·0271	·0271	·0268	·0267	·0268	·0265	·0267	·0273	·0282	·0288	·0291	·0292	·0295	·0300	·0272
16	·0300	·0298	·0298	·0295	·0297	·0297	·0297	·0301	·0302	·0302	·0299	·0295	·0292	·0294	·0289	·0286	·0284	·0281	·0282	·0282	·0282	·0284	·0285	·0287	·0287	·0292
17	·0287	·0287	·0284	·0281	·0279	·0280	·0280	·0283	·0287	·0290	·0292	·0292	·0293	·0295	·0295	·0294	·0294	·0292	·0293	·0296	·0301	·0301	·0301	·0299	·0299	·0291
18	·0299	·0298	·0296	·0295	·0289	·0287	·0285	·0286	·0283	·0283	·0277	·0276	·0271	·0269	·0261	·0252	·0241	·0238	·0231	·0228	·0225	·0220	·0214	·0206	·0201	·0261
19	·0201	·0193	·0185	·0178	·0165	·0155	·0146	·0139	·0129	·0121	·0112	·0099	·0090	·0078	·0067	·0055	·0045	·0034	·0027	·0016	·0003	·9992	·9988	·9987	·9984	·0087
20	·9984	·9976	·9975	·9972	·9967	·9965	·9961	·9961	·9959	·9959	·9959	·9959	·9953	·9953	·9953	·9953	·9956	·9954	·9956	·9958	·9963	·9961	·9961	·9960	·9949	·9961
21	·9949	·9953	·9962	·9973	·9978	·9991	·0003	·0013	·0029	·0038	·0053	·0060	·0065	·0073	·0075	·0076	·0080	·0085	·0093	·0099	·0104	·0108	·0111	·0110	·0107	·0048
22	·0107	·0102	·0096	·0089	·0078	·0066	·0050	·0035	·0026	·0013	·0009	·0008	·0009	·0010	·0012	·0011	·0013	·0014	·0015	·0020	·0017	·0016	·0010	·0009	·0005	·0033
23	·0005	·0002	·9996	·9990	·9984	·9982	·9982	·9987	·9995	·0002	·0006	·0010	·0014	·0017	·0018	·0023	·0025	·0029	·0034	·0039	·0045	·0054	·0059	·0061	·0064	·0016
24	·0064	·0067	·0066	·0069	·0070	·0075	·0078	·0086	·0089	·0094	·0098	·0099	·0104	·0110	·0114	·0116	·0118	·0124	·0128	·0132	·0139	·0142	·0144	·0143	·0140	·0104
25	·0140	·0139	·0137	·0130	·0126	·0122	·0123	·0120	·0111	·0106	·0097	·0082	·0052	·0062	·0071	·0077	·0087	·0096	·0102	·0107	·0111	·0116	·0121	·0126	·0128	·0106
26	·0128	·0135	·0141	·0142	·0145	·0149	·0150	·0158	·0163	·0167	·0171	·0169	·0170	·0171	·0169	·0168	·0168	·0171	·0171	·0169	·0171	·0170	·0168	·0172	·0177	·0162
27	·0177	·0175	·0174	·0171	·0172	·0171	·0172	·0171	·0176	·0183	·0186	·0185	·0194	·0197	·0196	·0199	·0204	·0207	·0211	·0211	·0214	·0215	·0220	·0221	·0222	·0193
28	·0222	·0224	·0223	·0224	·0228	·0229	·0229	·0232	·0236	·0238	·0247	·0247	·0248	·0248	·0248	·0249	·0249	·0250	·0253	·0258	·0263	·0266	·0270	·0272	·0273	·0245
29	·0273	·0273	·0275	·0275	·0274	·0275	·0275	·0279	·0280	·0281	·0280	·0273	·0270	·0263	·0252	·0242	·0228	·0220	·0217	·0212	·0203	·0186	·0178	·0174	·0174	·0246
30	·0174	·0173	·0169	·0166	·0164	·0164	·0169	·0176	·0184	·0198	·0215	·0228	·0241	·0249	·0254	·0263	·0270	·0276	·0285	·0295	·0303	·0310	·0315	·0318	·0321	·0235
Mean...	1·0 1708	1·0 1708	1·0 1695	1·0 1679	1·0 1661	1·0 1654	1·0 1661	1·0 1680	1·0 1703	1·0 1721	1·0 1737	1·0 1733	1·0 1722	1·0 1728	1·0 1721	1·0 1708	1·0 1696	1·0 1700	1·0 1715	1·0 1734	1·0 1758	1·0 1774	1·0 1772	1·0 1770	1·0 1765	1·0 1715
Normals 1871–1910.	1·0 1457	1·0 1440	1·0 1419	1·0 1399	1·0 1382	1·0 1375	1·0 1389	1·0 1413	1·0 1430	1·0 1447	1·0 1464	1·0 1464	1·0 1460	1·0 1453	1·0 1443	1·0 1426	1·0 1413	1·0 1413	1·0 1419	1·0 1433	1·0 1457	1·0 1464	1·0 1460	1·0 1453	1·0 1443	1·0 1432

(22409—24.) Wt. 41466—310. 250. 1/12. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY (V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. SEPTEMBER, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	15	6·3	15	5·4	16	5·8	16	5·4	15	5·4	16	5·4	15	5·4	16	6·3	15	6·7	15	7·2	16	6·7	15	7·6
2	17	2·7	25	3·1	—	1·3	—	0·9	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	1·3	24	2·7
3	3	1·8	3	1·8	3	1·8	—	0·9	—	0·9	—	0·5	—	1·3	—	0·0	—	0·0	—	0·0	—	1·3	29	2·2
4	—	0·0	—	1·3	5	1·8	5	2·2	—	1·3	—	0·9	—	0·0	—	0·0	—	0·0	—	1·3	29	3·1	29	4·5
5	4	2·2	—	0·9	4	1·8	4	1·8	4	1·8	4	2·2	4	2·2	—	0·9	—	0·5	4	1·8	24	3·1	24	3·6
6	2	1·8	—	0·5	—	0·9	—	1·3	2	1·8	—	0·9	—	0·9	—	0·5	—	0·0	—	0·5	—	0·9	—	0·9
7	—	0·9	—	1·3	2	1·8	2	1·8	4	2·7	4	1·8	4	1·8	4	1·8	—	0·9	—	0·5	28	2·2	26	3·1
8	—	0·9	—	0·9	—	0·9	—	0·9	5	1·8	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	10	1·8	29	5·4
9	—	0·0	—	1·3	7	2·2	5	1·8	—	1·3	—	0·0	—	0·5	—	0·9	—	0·0	—	0·9	—	1·3	15	3·6
10	10	3·1	12	1·8	13	4·5	11	4·0	11	4·5	11	5·4	13	5·4	13	4·5	13	7·2	14	5·4	14	5·4	13	5·4
11	16	3·1	15	2·7	17	1·8	—	0·9	17	1·8	—	1·3	—	1·3	20	5·4	21	4·0	21	3·1	29	4·5	29	4·9
12	1	7·6	1	6·7	1	8·5	1	8·5	2	9·4	3	7·6	3	7·6	1	8·1	2	7·6	3	6·7	2	7·2	1	8·9
13	2	2·7	2	1·8	—	0·5	—	0·5	—	0·0	—	0·9	—	0·9	—	0·0	—	0·9	32	1·8	2	2·7	32	3·1
14	—	0·9	—	1·3	—	0·9	—	0·5	32	2·2	6	2·7	—	0·9	—	0·9	3	2·2	—	1·3	32	4·0	32	4·5
15	6	1·8	5	5·4	4	3·1	3	3·6	4	2·2	3	4·9	1	7·2	3	8·9	3	9·4	3	9·4	3	8·1	3	8·1
16	7	4·5	4	4·5	4	4·9	4	3·6	8	3·1	5	2·2	5	1·8	4	3·1	4	5·4	4	4·5	4	6·7	4	7·6
17	—	0·5	—	0·0	—	0·9	—	0·9	—	0·0	—	0·9	6	1·8	—	1·3	—	1·3	—	0·9	—	0·0	—	1·3
18	2	1·8	—	1·3	2	1·8	2	2·2	2	2·2	2	1·8	—	0·9	—	0·9	—	1·3	—	0·5	—	0·5	—	0·0
19	—	1·3	—	1·3	—	0·9	6	1·8	6	1·8	6	1·8	—	1·3	—	0·9	—	1·3	17	3·1	15	3·1	17	4·5
20	20	8·1	20	8·1	20	6·7	20	5·4	20	5·8	20	7·2	20	7·2	22	5·8	20	4·9	23	1·8	23	1·8	25	7·6
21	26	7·6	29	10·3	28	10·7	29	10·3	30	10·3	31	9·4	30	11·2	31	11·2	30	10·7	26	8·1	29	8·9	28	9·8
22	26	1·8	23	2·7	19	1·8	16	3·1	16	2·7	14	5·4	14	8·1	14	8·1	13	8·5	15	5·4	21	7·2	21	6·3
23	20	6·7	20	6·7	18	6·3	18	6·7	19	7·2	20	6·7	20	5·4	23	4·5	22	4·0	21	5·4	21	5·8	21	6·7
24	21	5·8	21	4·5	21	4·5	19	4·5	20	4·5	20	4·5	20	4·0	24	3·6	21	4·5	20	4·5	22	4·5	22	6·3
25	10	1·8	12	3·1	13	3·1	13	3·1	14	3·6	14	3·1	14	1·8	13	4·0	8	2·2	10	1·8	8	4·0	7	6·3
26	22	3·6	21	5·4	22	3·1	21	5·4	21	4·0	21	5·4	20	4·5	19	5·4	20	4·9	19	4·0	18	4·5	18	5·4
27	20	4·0	20	5·4	20	4·9	20	5·8	20	4·5	20	4·5	20	5·4	22	4·9	26	3·1	27	1·8	—	0·9	22	3·6
28	26	4·0	26	2·2	26	2·2	—	1·3	—	0·9	—	1·3	—	1·3	26	3·1	26	3·1	26	2·7	27	3·1	26	3·1
29	28	2·7	28	1·8	27	4·5	26	3·6	27	4·0	26	3·1	26	3·1	26	3·1	23	3·1	22	4·0	20	3·6	20	5·4
30	24	8·9	26	10·3	27	9·4	25	9·8	28	9·4	28	10·3	28	9·4	32	8·9	1	10·3	2	9·4	2	8·1	2	7·6
Mean ...	—	3·3	—	3·5	—	3·4	—	3·4	—	3·4	—	3·4	—	3·5	—	3·6	—	3·6	—	3·3	—	3·9	—	5·0
Normals 1881–1910.	—	4·2	—	4·3	—	4·3	—	4·4	—	4·3	—	4·3	—	4·3	—	4·4	—	4·8	—	5·1	—	5·1	—	5·7

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second the direction is omitted, the record not being trustworthy in very light airs.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
16	6·7	16	5·4	16	5·4	15	5·8	16	4·9	15	4·5	15	4·5	15	3·1	15	4·0	15	3·6	15	3·6	15	3·6	5·4	1
24	3·1	23	4·5	23	4·5	23	4·0	23	3·6	23	3·1	24	2·7	—	0·9	—	0·0	3	1·8	—	0·9	—	0·9	1·8	2
29	3·1	26	3·1	24	3·1	24	3·1	25	2·2	27	2·2	—	0·9	—	0·9	5	1·8	5	1·8	—	0·9	—	0·0	1·5	3
28	5·8	28	5·8	28	5·4	27	5·4	27	5·4	27	4·5	28	3·6	29	2·7	29	2·2	—	0·5	—	0·5	—	1·3	2·5	4
23	4·5	23	4·0	23	3·1	23	3·1	23	2·2	23	1·8	—	0·9	—	0·0	—	0·9	—	0·9	—	0·9	23	1·8	2·0	5
7	2·2	24	1·8	24	1·8	—	1·3	24	1·8	24	1·8	—	0·9	—	0·0	—	0·9	—	0·9	—	0·5	—	0·9	1·1	6
26	3·1	26	2·2	24	1·8	—	0·9	24	1·8	—	0·0	—	0·0	—	0·0	—	0·9	—	0·0	—	0·5	—	1·3	1·4	7
1	3·6	6	6·3	5	6·7	5	6·7	4	4·9	4	1·8	—	0·9	6	3·6	7	3·1	12	2·7	—	1·3	—	0·0	2·4	8
14	4·5	14	4·9	15	4·5	14	4·5	14	4·5	15	4·5	15	2·7	12	2·7	12	3·1	11	2·2	11	2·2	10	3·1	2·4	9
13	6·7	14	6·7	13	6·7	13	6·7	14	5·4	14	5·4	14	4·9	15	4·9	15	4·5	15	4·0	15	4·0	16	4·0	5·0	10
32	4·0	32	3·1	2	4·0	2	3·1	1	4·5	1	2·2	32	5·4	3	3·1	3	3·1	3	4·5	32	7·6	1	7·6	3·6	11
1	8·5	1	8·9	32	8·1	32	8·5	32	8·5	32	7·2	1	6·7	1	6·7	1	6·7	1	5·4	1	3·1	1	3·6	7·3	12
1	4·5	32	4·9	30	6·3	29	6·7	29	7·2	32	3·6	32	4·5	32	4·9	1	4·9	1	4·0	1	1·8	—	1·3	2·9	13
32	4·9	31	4·5	32	3·6	32	4·5	31	4·5	31	5·8	32	5·4	32	4·5	—	1·3	2	4·0	3	3·6	6	2·7	3·0	14
4	8·1	1	8·5	2	7·6	2	8·1	3	8·5	3	5·8	6	2·7	6	1·8	7	2·7	5	6·3	4	5·8	7	4·5	5·9	15
4	5·4	3	4·9	3	3·6	2	2·7	2	3·1	1	2·2	1	2·7	1	1·8	1	1·8	—	0·0	—	0·9	—	1·3	3·4	16
—	1·3	30	2·7	30	4·0	30	4·5	30	3·1	30	3·1	—	1·3	—	0·9	—	0·9	2	1·8	2	1·8	2	1·8	1·5	17
—	0·9	19	1·8	18	2·7	18	3·1	18	2·2	—	1·3	—	0·9	—	0·9	—	1·3	18	1·8	18	1·8	18	1·8	1·5	18
20	5·4	19	4·9	19	5·8	19	4·9	19	5·4	17	4·5	16	4·9	15	5·8	20	6·7	20	6·3	20	5·4	20	5·4	3·7	19
28	8·1	28	4·5	24	6·3	1	3·6	25	8·1	24	9·4	24	10·7	23	8·1	21	6·7	27	9·4	24	6·3	26	4·5	6·5	20
29	11·2	28	10·7	28	13·0	28	13·0	28	11·6	29	10·7	28	8·1	28	9·4	28	8·9	28	6·7	28	4·0	26	2·7	9·5	21
23	6·3	23	5·8	23	4·0	23	4·0	22	4·0	22	3·1	22	2·2	19	2·2	17	2·2	16	3·1	16	3·1	19	6·3	4·5	22
21	7·2	21	7·6	21	7·6	21	8·5	21	7·2	21	7·2	21	8·5	21	6·7	21	5·8	21	4·5	21	5·4	21	4·5	6·4	23
22	5·4	22	6·3	22	5·4	22	6·3	22	4·0	22	3·6	22	1·8	—	1·3	—	0·9	—	0·9	—	0·9	7	1·8	3·9	24
30	5·8	32	4·0	26	4·5	24	5·4	22	6·3	21	4·9	21	3·1	20	4·9	21	5·8	22	6·7	22	4·5	23	4·0	4·1	25
18	6·7	17	6·3	16	6·7	18	5·4	17	5·4	18	5·3	21	4·9	19	7·2	20	8·1	20	8·1	20	6·3	21	4·9	5·5	26
23	5·8	24	5·8	24	6·7	25	6·3	26	5·4	26	4·0	26	3·6	25	4·5	22	6·3	26	6·7	26	6·7	26	5·8	4·9	27
27	2·7	27	3·1	27	4·9	28	4·0	28	4·9	29	4·0	29	1·8	29	2·2	29	1·8	29	2·7	—	1·3	28	2·2	2·7	28
17	4·9	18	4·9	17	4·5	18	5·4	20	6·7	22	9·4	21	8·9	21	8·1	20	9·4	21	13·0	22	10·3	25	9·8	5·7	29
1	8·1	32	8·1	32	7·2	1	6·7	1	6·7	1	6·7	1	6·7	1	7·2	1	6·7	1	5·4	1	4·5	3	3·1	7·9	30
—	5·3	—	5·2	—	5·3	—	5·2	—	5·1	—	4·5	—	3·9	—	3·7	—	3·8	—	4·0	—	3·3	—	3·2	4·0	Normals 1881–1910.
—	6·0	—	5·8	—	5·9	—	5·7	—	5·4	—	4·9	—	4·6	—	4·3	—	4·3	—	4·3	—	4·3	—	4·3	4·8	

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. SEPTEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·29	2·29
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·02	3·30	6·60	0·51	—	1·78	1·02	0·25	27·42
11	9·90	2·79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·27
12	1·27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
13	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	0·25
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	1·52	0·25	0·76	2·79	2·54	0·25	—	8·87
20	—	0·51	—	1·27	1·27	—	—	—	—	1·27	—	—	0·51	—	1·02	—	—	0·25	—	0·25	0·51	0·51	0·51	2·29	9·91
21	0·25	0·51	0·25	—	0·76	0·76	0·51	0·25	0·51	—	—	—	—	1·02	—	—	0·25	—	—	—	—	—	—	—	5·07
22	—	—	0·76	1·78	1·52	0·51	0·25	2·29	2·54	0·76	—	—	—	—	—	—	—	0·25	—	—	0·25	0·25	—	1·52	12·68
23	—	—	1·78	0·51	0·76	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·30
24	—	—	—	—	—	—	0·51	—	0·25	—	—	0·25	—	—	—	—	0·25	—	—	—	0·76	0·51	—	—	2·53
25	—	—	—	—	0·25	1·02	1·02	1·27	2·54	3·56	7·36	0·51	—	—	—	—	—	—	—	0·51	1·02	0·51	—	—	19·57
26	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
27	—	—	—	—	—	0·25	1·02	3·81	0·76	0·25	—	—	—	—	0·76	—	—	0·25	0·51	0·25	—	0·25	0·25	—	8·36
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	4·06	2·03	0·25	0·25	—	6·84
30	0·25	—	—	0·51	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·26
Sum ...	11·67	3·81	2·79	4·07	4·81	3·04	3·56	7·87	6·60	5·84	7·36	0·76	0·51	1·02	1·78	0·25	2·53	5·57	7·61	6·34	7·10	6·60	2·28	6·35	110·12
Normals 1871–1910.	4·85	4·83	5·46	5·03	5·03	4·42	4·85	4·88	5·08	3·68	4·14	4·27	3·38	3·78	3·91	4·55	5·43	4·90	5·13	4·72	4·32	4·88	5·61	4·98	112·11

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. SEPTEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·1	·3	·1	·8	1·0	·3	·1	·4	·4	·4	·3	·5	—	—	4·7	Fair; clear atmosphere.
2	—	—	·4	1·0	1·0	1·0	1·0	·8	·6	1·0	·9	1·0	·9	·6	·7	—	—	10·9	Fine.
3	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	11·7	☼; fine.
4	—	—	·2	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	—	—	11·3	Fine day, becoming dull in evening.
5	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	12·1	☼; bright sunny day.
6	—	—	—	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	—	—	8·7	Cloudy at first; clearing after 9h.
7	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	11·6	Fine but hazy.
8	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	11·4	☼; sunny and warm.
9	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	11·3	☼; fine, to dull in evening.
10	—	—	—	—	—	—	—	—	·5	—	—	—	—	—	—	—	—	0·5	Dull.
11	—	—	—	—	—	—	—	—	·4	—	—	—	—	—	—	—	—	0·4	Dull day; ●² at times.
12	—	—	—	—	—	—	·1	·1	·2	·2	1·0	·9	·9	·1	·6	—	—	4·1	Dull, to fair and clear.
13	—	—	—	—	—	—	·6	·2	—	·5	·2	·8	·6	·1	—	—	—	3·0	Cloudy.
14	—	—	—	·2	—	·8	·6	·3	·3	·4	·4	·6	1·0	1·0	·7	—	—	6·3	Fair.
15	—	—	—	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·5	—	—	11·2	Fine; N.Ely. wind.
16	—	—	—	·8	1·0	1·0	1·0	·9	1·0	·9	·2	—	—	—	—	—	—	6·8	Fine to dull.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	0·1	Dull generally.
18	—	—	—	·3	·5	1·0	·5	·2	·3	·2	1·0	1·0	·6	—	—	—	—	5·6	Fair.
19	—	—	—	·4	·9	1·0	·6	—	—	—	·1	—	—	—	—	—	—	3·0	Fair at first, then gloomy with ● in evening.
20	—	—	—	·1	·5	·6	·4	·5	·4	—	·7	·4	·7	·6	—	—	—	4·9	▲ or ● showers, with fair intervals
21	—	—	—	—	·3	·2	·2	·9	·8	·8	1·0	1·0	1·0	·4	—	—	—	6·6	Squally, with ▲ or ● showers. [through-
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy, with heavy mist and ●. [out.
23	—	—	—	—	—	·5	1·0	1·0	1·0	1·0	·9	1·0	·7	1·0	·2	—	—	8·8	● early, then fair.
24	—	—	—	—	·8	·7	·9	·7	·6	·6	·9	1·0	·8	·3	—	—	—	7·3	Showers and bright intervals throughout.
25	—	—	—	—	—	—	—	—	·5	1·0	1·0	·9	·8	·3	—	—	—	4·5	A.M. heavy mist and ●; P.M. fine to
26	—	—	—	—	—	—	—	·3	·1	·6	·8	1·0	1·0	·6	—	—	—	4·4	Dull to fair. [showery.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull all day, with ≋² and ●.
28	—	—	—	—	—	—	—	—	—	·8	·7	1·0	1·0	1·0	·2	—	—	4·7	Dull to fair.
29	—	—	—	—	—	·1	·2	—	—	—	—	—	—	—	—	—	—	0·3	Unsettled-looking; ● at night.
30	—	—	—	—	—	—	—	·3	·5	·9	1·0	1·0	·9	·4	—	—	—	5·0	Dull at first, clearing after 11h.; squally
	—	—	1·3	9·4	12·2	14·0	15·9	15·2	15·5	17·0	19·2	20·0	19·3	14·5	7·2	—	—	180·7	Total.
	—	—	0·58	5·63	10·14	12·23	13·36	13·77	13·88	13·97	13·96	13·16	11·80	7·75	1·77	0·01	—	132·01	Normals 1881–1910.

TABLE VI.

VALENCIA. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. SEPTEMBER, 1911.

First figure (2 or 3) omitted; in table I the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	88·7	88·3	88·0	87·7	87·9	88·1	88·3	88·5	89·1	89·3	89·7	90·5	91·2	90·8	90·9	91·0	90·7	90·2	90·1	89·2	88·7	89·0	89·0	88·2	88·8	89·3
2	88·8	89·0	87·6	87·0	87·1	86·0	85·8	85·0	87·1	87·9	89·2	90·2	90·2	89·6	90·2	90·3	90·1	89·7	89·3	88·7	87·4	85·9	84·7	84·0	83·5	87·8
3	83·5	83·1	82·3	82·6	83·7	83·5	83·0	82·4	85·0	86·8	87·9	89·1	89·3	89·6	89·6	90·3	90·3	89·9	89·6	89·0	87·3	86·8	86·3	85·7	85·1	86·6
4	85·1	85·4	85·9	85·0	85·0	85·5	84·9	85·2	86·2	88·5	89·6	90·7	90·4	90·7	90·3	90·4	90·2	90·1	89·2	88·7	87·5	87·8	87·5	87·5	86·1	87·8
5	86·1	84·9	84·5	84·2	83·7	84·1	82·9	83·6	85·7	87·6	89·1	90·2	90·6	90·7	90·5	90·9	90·6	90·3	89·7	89·1	87·3	86·2	84·9	84·0	83·4	87·1
6	83·4	83·4	83·1	83·2	83·5	84·6	84·8	85·7	86·9	87·8	89·0	90·2	90·0	90·7	90·6	90·6	90·6	90·2	89·3	88·4	86·7	86·0	85·0	84·5	84·0	87·0
7	84·0	83·3	82·5	82·3	82·3	82·1	82·5	83·1	85·3	87·5	89·0	90·4	91·2	92·3	92·6	92·3	91·8	91·6	90·9	89·6	88·1	87·8	86·7	86·2	85·4	87·3
8	85·4	86·3	85·5	85·0	84·8	84·6	85·4	85·1	87·4	89·6	90·1	92·3	95·3	95·6	95·3	96·1	96·1	95·9	95·4	92·9	93·4	92·0	91·8	90·1	89·3	90·6
9	89·3	89·0	87·1	86·4	86·4	86·2	85·6	85·6	87·5	89·0	90·1	91·4	92·5	92·4	92·1	91·7	91·5	91·0	90·2	89·1	89·2	89·2	89·3	89·1	89·6	89·2
10	89·6	90·0	89·9	89·6	90·2	90·5	90·7	90·7	90·7	91·4	91·4	91·8	92·3	92·9	92·3	92·4	92·1	91·9	91·8	91·5	91·3	91·3	91·2	91·2	91·2	91·2
11	91·2	90·8	90·4	90·3	90·4	89·8	89·5	89·9	88·7	88·5	89·1	90·1	90·2	91·3	90·6	90·3	89·3	88·1	87·8	87·0	86·9	87·0	87·1	87·3	86·7	89·1
12	86·7	86·3	86·0	85·7	85·8	85·5	85·7	85·4	85·7	86·0	86·0	86·8	86·9	87·3	88·3	88·2	88·1	87·5	87·1	86·8	86·5	86·5	86·3	85·7	85·6	86·5
13	85·6	85·2	84·3	83·5	83·9	84·1	84·9	84·9	85·4	86·3	87·0	87·4	87·3	88·1	87·9	87·3	87·7	86·8	86·7	86·2	86·5	86·4	85·8	85·7	85·6	86·0
14	85·6	85·4	85·5	85·1	84·8	84·9	84·4	84·2	84·5	85·2	86·4	85·4	86·7	86·8	87·1	87·6	86·9	87·1	86·4	85·7	85·7	84·8	85·4	85·2	84·5	85·7
15	84·5	84·0	84·2	83·9	83·8	83·3	83·5	84·1	84·8	85·1	85·3	85·7	86·5	87·3	87·0	87·5	87·4	87·3	86·7	85·2	84·6	84·5	84·0	84·0	83·1	85·2
16	83·1	83·1	82·0	81·4	81·3	81·2	81·0	80·6	82·5	83·4	84·1	85·1	85·2	85·9	86·0	86·2	85·5	85·7	85·6	85·2	85·0	85·1	85·1	85·3	84·8	84·0
17	84·8	84·1	84·1	84·0	83·7	84·0	83·2	82·4	83·2	84·5	86·0	87·2	87·4	87·6	87·6	87·8	87·4	87·4	87·3	86·0	85·1	83·6	82·8	82·2	80·7	85·1
18	80·7	79·9	79·6	78·9	79·6	80·2	81·4	81·1	81·6	83·1	85·7	86·2	87·3	88·0	88·5	89·0	88·7	87·9	87·3	86·8	86·4	86·1	85·0	84·6	83·9	84·4
19	83·9	83·7	84·1	83·2	82·2	81·7	82·5	82·2	83·5	86·3	88·2	89·1	89·1	89·0	89·1	88·6	88·2	87·6	86·4	86·1	86·4	87·0	86·3	85·7	85·7	85·9
20	85·7	86·0	85·3	85·6	85·0	84·2	84·2	84·5	83·8	84·1	83·0	84·0	84·9	83·5	83·6	84·5	83·8	84·8	84·8	84·3	83·5	82·3	82·8	81·8	82·4	84·1
21	82·4	82·6	83·2	83·8	83·9	84·2	83·8	84·2	82·8	84·1	84·5	84·9	85·6	85·3	85·0	86·2	86·1	86·2	85·4	85·3	85·1	85·2	85·0	85·0	84·8	84·6
22	84·8	84·9	84·5	83·8	83·5	83·5	83·3	83·9	84·3	85·4	86·5	88·1	88·2	88·7	88·5	88·7	88·2	88·4	88·1	87·9	87·6	87·9	88·3	88·4	88·5	86·6
23	88·5	88·8	88·8	88·7	88·7	88·7	88·8	88·7	87·2	88·0	87·8	88·5	88·3	89·3	89·0	89·1	88·8	87·3	86·7	86·3	85·8	85·7	85·5	85·6	85·1	87·8
24	85·1	85·2	85·3	85·7	84·9	85·2	84·8	84·8	85·0	86·4	86·6	87·3	87·1	87·3	86·5	87·4	87·5	86·4	85·7	84·1	83·8	83·7	83·8	84·1	83·7	85·5
25	83·7	84·1	84·8	85·1	85·2	85·7	84·6	84·3	84·6	84·7	84·6	84·1	84·5	86·8	87·1	87·3	87·0	87·1	86·4	85·7	86·4	86·3	86·0	85·7	85·4	85·5
26	85·4	85·1	84·4	84·1	85·1	85·2	85·3	85·6	86·0	86·8	86·8	87·9	88·4	88·6	89·1	88·6	88·8	88·4	87·9	87·8	87·9	88·5	88·4	88·4	87·8	87·1
27	87·8	87·9	88·2	88·3	88·1	87·9	87·9	88·2	87·0	86·8	86·8	86·8	86·7	86·8	87·0	86·8	86·0	86·2	85·7	85·2	84·9	85·1	84·8	85·1	85·0	86·7
28	85·0	84·9	84·6	84·6	84·1	83·5	83·9	84·5	84·9	85·3	85·7	86·2	86·5	86·3	86·7	86·4	86·0	85·6	85·3	84·6	84·3	84·0	84·6	83·7	84·2	85·0
29	84·2	84·8	84·0	84·6	84·6	85·1	84·5	84·9	85·4	85·7	86·6	87·2	87·4	87·8	87·5	87·6	87·6	87·9	87·6	87·5	87·5	87·5	87·8	87·8	87·7	86·5
30	87·7	87·4	87·0	86·0	86·5	86·3	86·0	86·0	85·7	85·1	84·3	84·6	84·8	85·7	85·4	85·5	85·4	85·2	85·0	84·9	84·3	84·1	84·3	83·5	83·3	85·4
Mean ...	85·7	85·6	85·2	85·0	85·0	85·0	84·9	85·0	85·6	86·5	87·2	88·0	88·4	88·8	88·7	88·9	88·6	88·3	87·8	87·2	86·7	86·4	86·2	85·8	85·5	86·7
Normals 1871–1910.	85·7	85·6	85·5	85·4	85·3	85·3	85·2	85·3	85·9	86·6	87·2	87·8	88·1	88·5	88·5	88·5	88·2	87·9	87·3	86·7	86·3	86·1	85·9	85·8	85 6	86·6

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). SEPTEMBER, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	86	86	86	85	85	84	83	82	78	78	73	72	74	73	76	76	77	74	80	82	88	89	88	90	90	81·1
2	90	92	90	94	92	92	91	95	96	84	83	78	77	81	81	76	76	74	75	74	76	85	90	90	91	84·7
3	91	92	93	94	91	93	94	97	91	94	86	78	76	75	70	76	76	75	77	81	87	89	92	93	93	86·0
4	93	93	90	93	95	88	93	91	91	83	76	65	72	65	74	75	77	72	78	80	85	87	88	90	94	83·1
5	94	91	95	95	96	95	96	97	94	92	90	88	86	84	84	85	83	85	89	90	94	95	97	94	94	91·2
6	94	96	96	98	99	97	96	95	92	87	84	77	80	79	80	79	81	82	85	89	92	95	93	93	95	89·1
7	95	94	98	97	97	97	96	96	96	91	85	77	75	77	78	79	83	86	87	94	95	96	96	95	97	90·1
8	97	94	96	95	94	94	90	92	87	87	78	71	50	54	57	60	64	62	60	73	69	77	80	88	91	77·7
9	91	92	95	95	96	94	95	94	93	90	84	82	78	78	79	78	80	79	83	90	87	88	87	90	84	87·3
10	84	83	86	85	79	77	79	82	82	81	83	81	77	78	82	80	82	84	86	88	93	93	95	94	95	84·2
11	95	93	97	97	97	97	96	96	95	92	88	84	82	80	78	78	86	88	89	91	92	90	90	93	93	90·1
12	93	94	90	91	87	86	85	85	83	83	83	77	76	74	70	69	68	67	71	72	73	71	74	77	79	78·9
13	79	80	82	87	90	88	92	93	86	80	73	74	68	62	63	67	68	75	75	76	68	70	79	82	81	77·4
14	81	82	77	75	78	80	81	84	82	77	71	74	67	68	67	64	66	67	70	70	70	78	80	80	80	74·5
15	80	85	84	82	79	82	79	73	65	61	60	62	62	58	59	61	59	57	59	69	71	69	70	66	72	68·7
16	72	70	76	78	79	78	77	78	73	68	65	63	63	64	63	65	68	68	70	73	76	77	80	82	84	72·2
17	84	92	93	92	96	91	96	94	93	91	86	81	80	73	76	76	78	78	81	86	85	92	93	93	94	86·9
18	94	94	96	95	93	95	93	95	94	92	83	84	74	75	71	68	70	76	82	86	88	87	91	91	91	86·1
19	91	91	89	91	94	92	89	92	91	88	79	71	76	78	76	74	76	79	92	94	95	94	96	94	89	86·7
20	89	87	89	81	82	85	82	76	83	75	89	86	72	74	77	74	85	71	71	76	80	88	76	81	86	80·3
21	86	87	80	70	73	70	72	71	81	64	75	71	67	71	76	65	62	64	71	67	68	65	64	68	74	70·9
22	74	77	76	83	91	95	96	95	96	95	97	98	99	95	96	96	97	96	97	97	99	99	98	96	96	93·7
23	96	96	96	97	97	97	96	98	96	95	88	81	80	76	77	72	74	77	78	74	78	80	82	83	80	85·7
24	80	82	82	80	84	80	83	87	90	84	85	82	88	84	82	76	76	79	82	88	90	90	94	92	93	84·5
25	93	92	91	89	91	88	90	92	88	92	93	96	94	81	78	81	84	83	84	87	87	94	98	95	90	89·1
26	90	88	83	87	85	80	81	85	87	84	91	77	82	75	73	75	80	83	87	87	88	87	91	91	93	84·1
27	93	95	94	95	94	95	95	94	99	97	94	94	93	83	79	82	88	84	86	88	85	89	89	81	79	90·0
28	79	86	91	81	84	86	80	78	76	75	70	66	64	65	64	68	64	64	63	74	74	75	73	75	72	73·8
29	72	72	78	73	73	72	75	74	76	79	71	72	76	74	80	89	95	98	96	93	93	97	96	97	94	82·6
30	94	86	80	89	87	88	89	87	88	77	79	71	67	62	63	57	60	65	66	67	69	68	64	65	71	74·0
Mean ...	87·7	88·1	88·3	88·1	88·6	87·9	88·0	88·3	87·4	83·9	81·4	77·8	75·8	73·9	74·3	74·0	76·1	76·4	79·0	81·9	83·2	85·1	86·1	86·6	87·2	82·8
Normals 1886–1910.	87·6	88·0	87·9	88·3	88·4	88·2	88·4	88·1	87·3	84·8	82·3	79·9	78·8	77·9	77·7	77·7	78·7	79·7	82·4	84·4	85·7	86·4	86·8	87·4	87·6	84·3

[Price Sixpence.]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** SEPTEMBER, 1911.

Heights above Mean Sea Level: Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground: Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE* AND TEMPERATURE†. SEPTEMBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0219	·0185	98·2	83·2	9	·0199	·0126	92·5	87·2	17	**·0286**	·0250	89·5	79·5	25	·0201	·0141	92·1	78·7
2	·0210	·0170	301·4	83·9	10	·0213	·0177	96·9	84·1	18	**·0286**	·0224	92·2	78·9	26	·0220	·0140	92·6	84·2
3	·0259	·0206	96·8	87·9	11	·0177	·0140	301·0	85·6	19	·0225	·0048	91·8	80·4	27	·0235	·0190	93·1	82·8
4	·0264	·0204	97·4	86·9	12	·0152	·0100	301·8	85·9	20	·0048	·9953	91·3	83·4	28	·0235	·0192	89·1	80·8
5	·0242	·0200	98·7	84·7	13	·0173	·0099	92·1	86·2	21	·0044	**·9947**	89·1	80·8	29	·0242	·0194	88·1	**77·4**
6	·0248	·0218	301·3	83·6	14	·0200	·0168	90·2	83·9	22	·0115	·0044	89·2	**77·4**	30	·0194	·0040	88·5	80·7
7	·0228	·0188	303·7	84·3	15	·0249	·0198	89·1	81·3	23	·0113	·0081	91·4	78·1					
8	·0190	·0124	**304·0**	84·3	16	·0255	·0237	89·8	81·2	24	·0176	·0064	91·2	82·0	Mean.	—	—	94·1	82·6

TABLE II.

KEW. SEPTEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0218	·0217	·0213	·0212	·0211	·0212	·0214	·0218	·0218	·0218	·0215	·0211	·0208	·0204	·0198	·0192	·0190	·0187	·0187	·0186	·0190	·0191	·0192	·0193	·0193	·0203
2	·0193	·0190	·0186	·0182	·0182	·0182	·0183	·0183	·0182	·0182	·0182	·0182	·0177	·0175	·0174	·0170	·0174	·0174	·0178	·0184	·0194	·0201	·0205	·0207	·0208	·0185
3	·0208	·0211	·0211	·0215	·0221	·0226	·0236	·0242	·0253	·0241	·0248	·0250	·0246	·0247	·0247	·0244	·0243	·0239	·0242	·0245	·0250	·0254	·0258	·0258	·0259	·0240
4	·0259	·0257	·0257	·0255	·0253	·0250	·0250	·0250	·0258	·0255	·0260	·0254	·0259	·0246	·0229	·0226	·0216	·0208	·0205	·0204	·0207	·0207	·0205	·0205	·0204	·0235
5	·0204	·0202	·0201	·0200	·0200	·0206	·0213	·0220	·0226	·0230	·0230	·0233	·0230	·0229	·0227	·0227	·0225	·0227	·0229	·0232	·0237	·0238	·0241	·0242	·0242	·0223
6	·0242	·0246	·0247	·0245	·0244	·0244	·0245	·0246	·0248	·0247	·0246	·0241	·0235	·0232	·0227	·0224	·0219	·0218	·0219	·0221	·0226	·0226	·0226	·0228	·0227	·0236
7	·0227	·0226	·0225	·0223	·0220	·0218	·0219	·0221	·0221	·0221	·0220	·0216	·0213	·0207	·0202	·0197	·0193	·0190	·0189	·0189	·0192	·0193	·0190	·0190	·0190	·0208
8	·0190	·0188	·0184	·0181	·0178	·0176	·0177	·0175	·0169	·0168	·0163	·0158	·0152	·0145	·0138	·0132	·0129	·0127	·0127	·0125	·0130	·0129	·0128	·0129	·0130	·0153
9	·0130	·0129	·0127	·0127	·0127	·0129	·0132	·0135	·0135	·0140	·0146	·0150	·0156	·0160	·0163	·0163	·0165	·0166	·0169	·0176	·0185	·0190	·0194	·0197	·0197	·0155
10	·0197	·0198	·0201	·0202	·0199	·0199	·0201	·0206	·0212	·0210	·0210	·0206	·0204	·0200	·0194	·0192	·0185	·0182	·0181	·0185	·0185	·0185	·0185	·0183	·0177	·0195
11	·0177	·0174	·0172	·0170	·0164	·0165	·0164	·0157	·0160	·0160	·0158	·0154	·0151	·0149	·0143	·0142	·0142	·0141	·0143	·0145	·0149	·0153	·0152	·0152	·0151	·0155
12	·0151	·0150	·0148	·0145	·0144	·0141	·0143	·0139	·0135	·0131	·0127	·0125	·0122	·0117	·0113	·0110	·0108	·0110	·0103	·0105	·0109	·0109	·0105	·0103	·0105	·0124
13	·0105	·0104	·0103	·0102	·0100	·0100	·0105	·0108	·0122	·0130	·0144	·0151	·0154	·0158	·0158	·0158	·0157	·0157	·0158	·0162	·0166	·0168	·0171	·0172	·0172	·0139
14	·0172	·0170	·0169	·0169	·0172	·0177	·0180	·0182	·0184	·0184	·0188	·0188	·0186	·0184	·0183	·0182	·0181	·0183	·0184	·0191	·0198	·0197	·0199	·0199	·0199	·0184
15	·0199	·0199	·0199	·0198	·0201	·0206	·0207	·0209	·0209	·0209	·0209	·0210	·0210	·0207	·0208	·0210	·0211	·0215	·0223	·0230	·0237	·0239	·0245	·0247	·0248	·0215
16	·0248	·0248	·0247	·0244	·0246	·0246	·0249	·0250	·0251	·0253	·0251	·0249	·0247	·0243	·0239	·0237	·0238	·0239	·0242	·0246	·0251	·0253	·0254	·0252	·0254	·0247
17	·0254	·0253	·0252	·0250	·0250	·0253	·0257	·0260	·0264	·0267	·0271	·0271	·0272	·0269	·0269	·0266	·0264	·0266	·0269	·0272	·0274	·0279	·0282	·0284	·0286	·0266
18	·0286	·0284	·0283	·0282	·0281	·0281	·0284	·0286	·0283	·0281	·0277	·0273	·0269	·0262	·0255	·0246	·0239	·0235	·0232	·0232	·0232	·0231	·0230	·0227	·0225	·0260
19	·0225	·0220	·0215	·0213	·0209	·0205	·0201	·0198	·0194	·0190	·0184	·0176	·0166	·0153	·0143	·0133	·0123	·0118	·0110	·0106	·0097	·0085	·0074	·0060	·0048	·0155
20	·0048	·0038	·0029	·0021	·0013	·0008	·0004	·9998	·9999	·9996	·9993	·9989	·9979	·9973	·9964	·9956	·9954	·9954	·9954	·9955	·9962	·9961	·9961	·9959	·9958	·9984
21	·9958	·9954	·9954	·9950	·9948	·9948	·9953	·9956	·9962	·9964	·9971	·9974	·9975	·9978	·9978	·9981	·9988	·9994	·0004	·0011	·0021	·0026	·0033	·0037	·0044	·9982
22	·0044	·0047	·0053	·0059	·0063	·0066	·0076	·0083	·0092	·0095	·0098	·0098	·0099	·0096	·0097	·0097	·0097	·0098	·0102	·0104	·0109	·0111	·0114	·0113	·0109	·0089
23	·0109	·0111	·0108	·0101	·0103	·0104	·0106	·0107	·0105	·0104	·0104	·0102	·0099	·0094	·0090	·0091	·0089	·0089	·0089	·0092	·0094	·0093	·0088	·0086	·0081	·0098
24	·0081	·0076	·0069	·0065	·0066	·0070	·0079	·0089	·0097	·0102	·0109	·0111	·0114	·0117	·0121	·0125	·0132	·0136	·0141	·0149	·0157	·0164	·0169	·0171	·0176	·0115
25	·0176	·0178	·0180	·0181	·0184	·0189	·0195	·0196	·0197	·0199	·0196	·0190	·0189	·0185	·0178	·0174	·0167	·0166	·0167	·0162	·0157	·0152	·0147	·0144	·0142	·0176
26	·0142	·0141	·0144	·0152	·0158	·0167	·0177	·0184	·0191	·0198	·0199	·0198	·0200	·0197	·0199	·0201	·0201	·0205	·0207	·0210	·0214	·0219	·0220	·0220	·0220	·0191
27	·0220	·0221	·0220	·0220	·0222	·0224	·0227	·0227	·0229	·0234	·0232	·0228	·0226	·0223	·0216	·0209	·0211	·0209	·0207	·0212	·0205	·0198	·0198	·0192	·0191	·0217
28	·0191	·0199	·0196	·0199	·0199	·0200	·0206	·0211	·0219	·0222	·0227	·0229	·0227	·0225	·0226	·0224	·0223	·0223	·0226	·0230	·0234	·0232	·0233	·0233	·0231	·0219
29	·0231	·0231	·0232	·0231	·0231	·0230	·0234	·0236	·0236	·0241	·0239	·0239	·0238	·0236	·0235	·0235	·0238	·0236	·0236	·0235	·0235	·0226	·0219	·0211	·0194	·0232
30	·0194	·0180	·0154	·0128	·0104	·0085	·0069	·0058	·0052	·0048	·0042	·0051	·0075	·0085	·0098	·0101	·0113	·0120	·0135	·0145	·0154	·0162	·0170	·0178	·0186	·0112
Mean...	1·0 1760	1·0 1747	1·0 1726	1·0 1707	1·0 1698	1·0 1702	1·0 1729	1·0 1743	1·0 1768	1·0 1773	1·0 1780	1·0 1769	1·0 1759	1·0 1732	1·0 1704	1·0 1682	1·0 1672	1·0 1671	1·0 1686	1·0 1714	1·0 1750	1·0 1757	1·0 1763	1·0 1757	1·0 1749	1·0 1731
Normals 1871–1910.	1·0 1558	1·0 1545	1·0 1532	1·0 1515	1·0 1504	1·0 1508	1·0 1532	1·0 1549	1·0 1568	1·0 1578	1·0 1578	1·0 1565	1·0 1549	1·0 1528	1·0 1504	1·0 1487	1·0 1481	1·0 1481	1·0 1498	1·0 1525	1·0 1551	1·0 1558	1·0 1565	1·0 1558	1·0 1551	1·0 1534

(22407—24.) Wt. 41466—310. 375. 2/12. D & S. G. 30 Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	—	0·9	18	1·8	18	1·8	—	0·9	—	1·3	—	1·3	18	1·8	21	2·7	20	3·1	20	3·6	18	3·6	22	3·6
2	—	0·5	—	0·0	—	0·5	—	0·5	—	0·9	—	0·9	—	1·3	—	1·3	17	3·1	16	3·1	18	4·5	19	4·0
3	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	4	2·7	4	3·6	—	0·9	4	1·8
4	—	0·9	—	1·3	—	0·9	5	1·8	5	1·8	—	1·3	5	1·8	—	1·3	12	2·2	15	1·8	—	1·3	—	0·9
5	—	0·9	14	1·8	—	0·9	—	0·5	—	0·0	—	0·9	—	0·5	—	0·9	—	0·9	2	3·1	1	1·8	1	1·8
6	—	0·9	—	0·0	—	0·9	—	0·5	—	0·5	—	0·5	—	0·9	—	0·5	—	1·3	—	0·9	21	2·7	19	2·2
7	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	0·9	—	1·3	17	1·8	25	1·8
8	—	0·5	—	0·9	—	0·5	—	0·0	—	0·5	—	0·0	—	0·9	—	0·5	—	0·9	17	1·8	—	0·9	17	2·2
9	—	0·9	31	2·2	32	3·6	4	4·0	3	4·9	4	5·4	5	5·8	4	6·7	3	6·3	2	5·8	3	5·4	3	6·3
10	5	2·2	—	0·9	—	0·9	5	1·8	5	2·7	—	0·9	—	0·9	5	2·2	11	5·4	11	6·7	12	4·5	12	5·4
11	9	3·1	9	1·8	9	3·1	9	1·8	9	2·2	9	1·8	9	2·7	9	1·8	12	3·1	12	4·5	*14*	4·9	*14*	5·8
12	—	0·5	—	0·0	—	0·5	—	0·5	—	0·9	—	0·5	—	0·5	—	0·9	9	2·2	9	1·8	15	2·2	17	3·6
13	—	1·3	18	3·6	19	3·1	19	3·1	19	2·7	19	1·8	20	3·1	25	3·6	27	3·6	28	3·1	*30*	2·2	—	1·3
14	—	0·9	1	1·8	1	1·8	1	1·8	1	1·8	—	1·3	—	1·3	1	2·7	1	3·1	32	3·6	32	4·0	32	4·0
15	1	2·2	32	3·1	32	3·1	32	2·2	32	1·8	32	3·6	32	4·5	32	5·8	32	6·7	1	6·3	32	6·3	32	6·3
16	32	2·7	32	1·8	32	3·1	32	3·1	32	1·8	32	2·2	32	4·5	32	5·4	1	6·3	32	5·8	1	5·4	32	5·4
17	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·9	32	1·8	32	1·8	32	1·8	32	2·7	31	2·2
18	—	0·9	—	1·3	28	1·8	—	0·9	—	0·9	—	1·3	—	1·3	—	1·3	24	2·2	24	4·5	24	4·5	24	8·1
19	22	1·8	22	1·8	22	1·8	22	2·2	22	1·8	—	1·3	22	1·8	22	2·7	20	2·7	19	3·6	19	4·0	19	4·0
20	16	3·1	19	3·1	18	4·0	18	3·6	18	3·1	18	4·5	18	5·8	19	7·6	19	7·2	19	7·6	18	6·7	18	5·4
21	24	1·8	24	1·8	—	1·3	24	1·8	24	1·8	24	2·2	23	1·8	23	2·7	25	3·1	25	3·1	23	2·7	22	2·2
22	—	0·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·9	—	1·3
23	—	0·5	—	1·3	2	1·8	—	1·3	2	1·8	2	1·8	2	1·8	3	2·2	14	5·4	14	6·7	16	5·8	16	5·8
24	15	3·1	15	3·1	15	1·8	20	2·2	22	3·1	23	1·8	24	2·2	24	1·8	25	3·1	28	3·1	26	3·1	26	3·1
25	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	16	3·6	17	4·5
26	18	4·9	20	4·9	22	4·5	22	3·1	22	1·8	22	1·8	22	1·8	22	1·8	23	2·7	25	1·8	25	1·8	23	2·7
27	—	1·3	23	1·8	—	0·9	23	1·8	22	2·2	—	1·3	22	1·8	21	3·1	21	3·6	20	4·5	21	4·5	24	4·5
28	30	2·7	—	1·3	24	1·8	24	1·8	—	1·3	27	1·8	28	1·8	28	1·8	25	2·2	26	3·6	26	3·1	24	4·5
29	—	1·3	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	26	1·8	25	2·2	25	4·9	27	5·4	26	5·8	26	5·8
30	20	4·5	18	4·0	16	5·4	17	6·3	19	6·7	19	4·5	21	4·0	22	5·4	24	5·4	25	6·7	27	9·4	29	9·4
Mean ...	—	1·6	—	1·7	—	1·8	—	1·7	—	1·7	—	1·6	—	2·0	—	2·5	—	3·2	—	3·7	—	3·7	—	3·8
Normals, 1881–1910.	—	1·8	—	1·8	—	1·9	—	1·9	—	1·8	—	1·9	—	2·1	—	2·6	—	3·1	—	3·5	—	3·9	—	3·9

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second,

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. SEPTEMBER, 1911.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
20	4·5	19	3·6	17	4·5	17	4·5	17	4·5	17	2·7	17	2·2	17	1·8	—	0·9	—	0·9	—	0·5	—	0·9	2·4	1
18	5·4	19	4·9	19	4·5	19	5·4	19	5·4	20	4·0	20	3·1	20	3·1	20	2·7	20	1·8	—	1·3	—	0·9	2·6	2
31	2·2	—	1·3	28	1·8	—	1·3	1	1·8	—	1·3	—	1·3	—	1·3	1	1·8	5	2·2	5	2·2	—	0·9	1·5	3
13	1·8	12	4·0	15	5·4	15	4·5	11	3·1	14	1·8	—	0·9	—	0·5	—	0·9	—	0·5	—	0·9	—	0·9	1·8	4
31	1·8	31	2·2	32	2·2	32	1·8	31	1·8	—	0·9	—	0·5	—	0·0	—	0·9	—	0·5	—	0·9	—	0·9	1·2	5
20	1·8	20	2·7	24	2·2	25	1·8	27	1·8	—	1·3	17	1·8	—	0·9	17	1·8	17	1·8	—	0·9	—	0·9	1·3	6
—	0·9	20	1·8	17	1·8	—	0·9	—	0·0	—	0·5	—	1·3	—	0·9	—	0·5	—	0·0	—	0·5	—	0·0	0·9	7
20	4·0	17	4·0	17	4·5	19	4·9	20	3·1	20	1·8	20	1·8	—	0·9	—	0·9	—	0·5	—	0·5	—	0·5	1·5	8
3	5·4	2	5·4	3	5·4	4	4·5	3	4·5	4	4·9	4	4·0	3	5·4	5	6·3	4	4·0	5	4·5	5	2·7	4·8	9
11	5·4	9	5·4	6	6·3	6	8·1	7	6·3	8	6·7	8	5·4	8	5·4	8	4·9	9	3·1	9	3·6	9	3·1	4·1	10
16	5·4	*16*	4·5	*16*	4·5	*16*	3·1	*16*	3·6	16	1·8	—	0·9	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	2·6	11
15	3·1	16	1·8	17	2·7	16	2·2	—	1·3	18	2·2	17	1·8	17	3·1	18	2·7	—	0·9	—	1·3	18	2·7	1·7	12
—	0·9	—	0·9	—	0·9	—	1·3	*32*	2·2	*32*	2·7	*32*	2·7	32	3·6	1	3·1	1	2·7	—	1·3	1	1·8	2·4	13
32	3·6	32	4·5	32	4·0	32	3·6	1	3·1	32	2·7	1	5·8	2	4·5	2	3·6	1	3·6	1	3·1	1	3·1	3·1	14
32	5·8	1	6·7	1	6·7	32	6·7	1	5·4	32	4·9	32	4·9	32	4·9	1	4·0	32	3·6	32	3·1	32	3·1	4·7	15
1	4·9	1	4·0	1	4·5	1	4·5	1	4·5	32	3·1	32	2·7	1	3·6	1	1·8	—	0·5	—	0·9	—	0·9	3·5	16
30	2·2	27	2·2	31	1·8	30	2·2	28	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	1·3	17
23	3·1	24	3·6	22	3·1	22	3·6	24	2·7	24	1·8	24	1·8	24	1·8	23	2·7	22	2·2	22	1·8	22	1·8	2·3	18
17	4·9	18	5·4	18	5·8	17	5·4	17	4·5	17	3·1	17	3·1	17	3·6	—	1·3	16	2·2	16	4·0	16	4·0	3·2	19
18	6·3	20	4·9	19	5·8	21	3·1	20	3·1	20	4·0	19	4·5	25	4·5	24	1·8	—	1·3	24	1·8	24	1·8	4·4	20
22	2·7	21	2·2	21	2·7	—	1·3	—	0·9	—	1·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·0	—	0·0	1·6	21
—	1·3	—	0·9	—	0·9	—	1·3	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	0·7	22
16	5·8	16	5·8	17	5·8	17	5·4	17	4·5	16	3·6	17	2·2	14	2·2	12	2·2	12	2·7	12	1·8	12	2·2	3·4	23
25	3·1	25	4·0	26	3·1	25	4·0	26	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	—	0·5	—	0·9	2·2	24
17	4·5	17	6·3	17	5·8	17	6·3	17	5·8	17	4·5	16	4·0	16	4·9	16	5·4	17	6·3	17	6·7	18	5·8	3·3	25
21	2·7	21	2·7	24	3·6	22	3·1	23	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	—	1·3	—	1·3	2·3	26
21	4·5	20	4·5	18	4·9	21	4·5	18	5·8	18	5·4	18	4·5	19	5·4	19	6·3	19	5·4	18	4·9	20	4·5	3·8	27
26	4·0	26	3·1	27	3·1	26	3·1	26	1·8	—	1·3	—	0·9	26	1·8	—	1·3	—	0·9	—	1·3	—	0·9	2·1	28
25	5·8	25	6·3	26	4·9	27	4·5	26	3·1	26	1·8	26	1·8	26	2·2	26	1·8	26	1·8	24	2·2	20	4·5	3·0	29
29	9·4	29	8·1	29	6·7	30	8·5	30	8·1	30	8·5	30	7·6	30	8·5	30	8·1	30	8·1	30	7·2	30	6·3	7·0	30
—	3·9	—	3·9	—	4·0	—	3·8	—	3·3	—	2·7	—	2·5	—	2·7	—	2·4	—	2·1	—	2·0	—	2·0	2·7	Normals 1881–1910.
—	4·0	—	4·1	—	3·9	—	3·7	—	3·4	—	2·8	—	2·5	—	2·4	—	2·3	—	2·2	—	2·0	—	1·9	2·7	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1901. No correction the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. SEPTEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	0·51
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	0·51
13	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	0·76	1·27	2·29	3·56	2·03	2·29	0·25	0·25	—	—	12·95
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	—	0·51	—	3·30	4·57
20	0·51	—	0·76	0·51	—	—	—	—	—	—	—	—	—	—	1·02	—	—	—	—	0·25	—	—	—	—	3·05
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	1·02	—	—	—	1·78
24	1·02	0·25	2·03	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·55
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	1·52	0·51	1·02	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·30
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	1·02	1·27	—	—	0·51	0·51	0·25	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·07
Sum ...	4·07	2·03	3·81	1·01	0·51	0·76	0·25	—	—	0·51	—	0·51	—	—	1·78	1·27	2·29	3·56	3·05	3·04	1·78	0·76	—	3·55	34·54
Normals 1871–1910.	2·74	2·18	2·39	2·67	2·92	1·85	1·75	1·65	2·01	1·88	1·70	1·78	2·31	1·78	1·60	2·26	2·67	2·03	2·11	2·69	2·72	1·73	2·11	2·31	51·84

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. SEPTEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	12·4	Very fine throughout.
2	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	11·5	≋⁰ early, then bright and hot.
3	—	—	—	·9	·5	·1	·5	·2	·9	1·0	·7	·1	·3	1·0	·5	—	—	6·7	Fine at intervals.
4	—	—	—	—	·4	·3	·5	·1	—	—	·6	·7	·8	·5	—	—	—	3·9	● about 12h., ⊕ at 17h., fair generally.
5	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	9·9	≋⁰ early and late; fine during day.
6	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	—	10·9	≋⁰; fine.
7	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	11·4	☼; sunny day.
8	—	—	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	11·0	☼; fine and hot, but misty.
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
10	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	11·3	Fine and bright all day.
11	—	—	—	·9	·6	·9	1·0	1·0	1·0	1·0	1·0	·9	·4	·7	·2	—	—	9·6	≋⁰; fine.
12	—	—	—	·1	·8	·7	·9	·4	·7	·1	—	—	—	—	—	—	—	3·7	Fair to dull, with ●⁰.
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and gloomy; ● after 14h.
14	—	—	—	—	—	·4	·6	·8	·8	·2	·5	·1	—	·2	—	—	—	3·6	Overcast to cloudy.
15	—	—	·2	1·0	1·0	1·0	1·0	·8	·4	·7	·9	·4	·9	·3	·3	—	—	8·9	Fine generally.
16	—	—	·1	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	·8	1·0	·4	·2	—	—	10·2	Fine day, with Nly. wind.
17	—	—	—	—	—	·6	—	·1	·6	·9	1·0	1·0	·9	·5	—	—	—	5·6	Fair to fine.
18	—	—	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	10·6	≋⁰ early; cloudless all day.
19	—	—	—	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·2	—	—	—	9·9	Fine during day; ● in evening.
20	—	—	—	·1	—	·2	·3	—	—	—	—	—	·3	—	—	—	—	0·9	Rather dull.
21	—	—	—	·2	1·0	1·0	1·0	·8	·8	·4	·4	·4	—	—	—	—	—	6·0	Fine to fair; distant ┳ heard in after-
22	—	—	—	—	·9	1·0	1·0	1·0	1·0	·9	1·0	·7	·1	—	—	—	—	7·6	≋⁰, but generally fine. [noon.
23	—	—	—	·8	1·0	1·0	·7	1·0	1·0	1·0	1·0	·4	·1	·1	—	—	—	8·1	Fine day; ●⁰ in evening.
24	—	—	—	—	·5	·9	·9	·8	·8	·6	1·0	1·0	1·0	1·0	·2	—	—	8·7	● 1h.–4h., clearing later.
25	—	—	—	·2	·9	1·0	1·0	1·0	·9	·6	·9	·8	·7	·8	—	—	—	8·8	Fog early, but fine during day.
26	—	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	—	—	—	10·5	Bright all day.
27	—	—	—	·3	·9	·9	1·0	1·0	1·0	1·0	·9	·6	·2	—	—	—	—	7·8	Fair to fine.
28	—	—	—	—	—	—	·4	·9	·9	·4	—	—	—	—	—	—	—	2·6	Dull, improving somewhat mid-day.
29	—	—	—	·6	1·0	1·0	1·0	1·0	·9	·9	1·0	·7	·1	—	—	—	—	8·2	≋⁰ early, then fine with good visibility.
30	—	—	—	—	·2	·5	·4	·1	·6	1·0	—	·2	·6	·1	—	—	—	3·7	Dull, with ●, to fair; strong wind from N.W.
	—	—	0·6	13·1	20·3	22·5	23·2	22·0	23·2	21·6	21·7	18·8	17·4	14·6	4·9	0·1	—	224·0	Total.
	—	—	0·73	5·24	9·56	12·54	14·51	15·15	15·03	15·28	15·07	14·46	13·10	9·13	1·51	—	—	141·30	Normals, 1881–1910.

TABLE VI.

KEW. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. SEPTEMBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	86·8	85·8	85·6	84·8	83·8	83·9	83·9	85·8	87·3	89·1	90·8	92·5	94·2	95·3	96·3	97·6	98·2	97·6	96·3	93·4	91·0	89·9	87·8	87·6	86·4	90·2
2	86·4	85·4	84·7	84·6	84·1	84·1	84·1	87·1	91·1	93·8	96·2	97·4	98·8	00·2	00·7	01·3	01·2	00·9	99·3	96·7	94·7	93·4	92·3	91·5	90·8	93·0
3	90·8	90·2	89·1	88·6	89·0	88·5	88·0	88·9	90·3	91·4	91·8	93·4	94·3	95·7	96·5	96·3	96·2	96·8	96·0	93·1	92·4	91·1	90·6	89·7	89·5	92·0
4	89·5	88·7	87·8	87·8	87·8	87·1	87·0	89·2	90·1	92·6	93·2	94·7	94·2	94·5	95·1	96·1	96·0	96·3	95·3	93·1	90·9	89·3	88·6	88·1	87·8	91·3
5	87·8	87·6	87·6	87·1	85·9	85·2	85·2	86·4	88·0	90·4	92·5	94·0	95·3	96·5	97·6	98·5	98·7	98·2	97·3	93·0	90·4	89·7	88·9	88·0	87·7	91·2
6	87·7	87·1	86·3	85·6	85·3	84·8	83·8	85·3	87·0	89·6	92·6	94·8	96·5	98·6	99·3	00·7	00·9	01·2	99·8	96·0	94·3	93·1	91·6	90·4	88·0	92·2
7	88·0	87·9	86·8	86·3	86·5	84·9	84·7	86·1	87·8	91·0	93·4	97·1	98·5	00·4	02·1	02·4	02·9	02·6	99·5	96·0	93·6	91·7	90·2	89·1	88·3	92·9
8	88·3	87·4	87·0	86·3	85·7	85·1	85·3	86·7	88·6	92·5	96·0	99·1	00·9	02·1	03·1	03·7	03·1	02·6	00·7	97·9	96·5	94·0	92·0	91·0	89·7	94·0
9	89·7	89·1	89·9	89·5	89·7	89·5	89·5	89·9	90·4	91·0	91·1	91·4	91·4	*91·9*	*92·0*	*92·1*	*91·9*	*91·5*	91·0	90·6	89·9	89·5	88·6	87·8	87·2	90·3
10	87·2	86·6	85·9	84·9	84·5	84·8	84·4	85·2	87·8	90·4	91·5	93·4	94·6	95·9	95·9	94·9	93·8	93·3	91·8	90·4	89·9	89·3	88·7	88·2	88·1	89·7
11	88·1	87·9	87·4	87·0	86·8	86·0	85·8	88·2	90·8	93·5	95·7	97·9	99·4	00·2	00·7	00·4	98·6	98·8	96·6	94·1	90·4	89·1	87·6	87·0	86·7	92·4
12	86·7	86·8	86·3	86·0	86·5	86·8	86·3	86·9	88·9	93·7	96·4	99·7	00·5	01·8	01·1	01·3	99·8	98·6	97·3	96·2	95·2	94·2	92·1	91·4	91·7	93·5
13	91·7	91·4	91·3	91·7	91·1	91·3	91·2	91·2	89·5	89·6	89·2	89·7	89·9	90·3	90·6	89·5	89·1	88·2	87·9	87·5	87·2	86·8	86·3	86·3	86·2	89·4
14	86·2	85·8	85·4	85·3	85·2	85·2	85·2	85·9	86·4	87·3	87·6	88·2	89·0	89·5	89·9	89·7	89·6	89·2	88·4	86·5	86·0	85·3	84·8	84·3	83·9	86·9
15	83·9	83·1	82·4	82·1	81·7	81·4	81·4	82·6	84·2	85·4	86·3	86·9	87·4	87·6	87·8	87·7	87·9	87·4	86·3	85·7	85·2	84·5	84·0	83·0	82·4	84·8
16	82·4	82·1	81·8	82·1	81·7	81·3	81·2	82·9	84·1	85·9	86·9	88·1	88·1	89·1	89·1	89·6	89·2	88·2	87·4	86·0	85·0	84·3	83·5	82·6	82·5	85·1
17	82·5	81·3	80·2	80·4	79·9	79·8	80·0	81·2	83·1	84·7	85·8	87·0	87·5	88·1	88·7	89·1	89·1	88·7	87·6	84·9	83·7	82·6	81·7	82·2	81·5	84·1
18	81·5	80·8	80·7	80·3	79·8	79·1	78·9	79·7	81·7	84·9	87·0	88·1	89·1	90·3	91·1	91·9	92·1	92·0	90·2	88·7	87·2	86·3	85·2	84·2	83·5	85·5
19	83·5	83·2	82·3	81·9	81·8	81·2	80·9	81·9	83·7	86·2	87·6	89·1	90·5	91·2	91·3	91·6	91·5	90·8	89·5	89·0	87·4	87·2	87·5	88·0	88·2	86·7
20	88·2	88·5	88·4	88·6	88·6	88·7	88·4	89·1	89·5	90·2	90·2	90·3	89·7	91·2	89·9	90·6	90·0	89·1	89·1	88·6	86·8	85·2	84·5	83·8	83·4	88·5
21	83·4	82·9	82·8	82·8	82·1	81·7	81·0	81·0	81·8	83·7	85·0	86·8	86·8	87·5	87·4	88·2	87·3	86·9	85·7	85·1	84·2	83·7	82·6	81·3	80·9	84·2
22	80·9	79·9	79·5	79·0	78·7	78·2	78·0	78·0	79·4	81·4	83·5	86·2	87·4	88·5	89·0	89·1	88·9	88·4	86·1	83·9	82·6	82·0	81·3	80·5	80·1	82·9
23	80·1	78·5	78·7	79·9	79·8	80·4	80·4	81·3	83·8	87·5	89·3	89·9	90·7	91·0	91·3	90·7	90·2	89·8	88·8	87·1	86·0	85·2	85·4	86·0	86·3	85·6
24	86·3	86·8	87·1	87·4	87·8	87·5	87·1	87·0	86·9	87·8	88·6	89·8	89·7	90·7	90·8	91·0	91·0	90·8	88·6	86·2	84·6	84·1	83·5	82·4	82·6	87·6
25	82·6	82·2	81·3	80·8	80·3	79·2	78·7	79·6	80·9	84·8	86·9	89·5	90·1	91·3	91·3	91·7	91·2	90·7	89·2	89·1	88·6	89·6	90·2	90·0	89·8	86·4
26	89·8	89·8	89·7	89·0	87·4	86·3	85·4	85·7	86·3	87·8	88·6	89·8	90·6	91·5	92·2	92·5	92·5	91·6	90·0	88·7	87·1	86·3	85·1	85·0	84·2	88·6
27	84·2	84·1	83·6	82·9	84·0	84·5	84·8	85·6	87·0	88·1	89·3	90·6	91·3	91·9	92·6	93·0	92·1	91·4	90·1	89·2	89·0	89·0	89·1	89·2	89·1	88·3
28	89·1	85·4	85·4	85·4	85·4	85·3	85·3	85·3	85·6	86·0	86·4	87·4	88·0	88·2	88·5	87·9	87·8	87·1	86·0	84·6	84·1	82·9	82·2	81·4	80·8	85·7
29	80·8	80·2	79·7	79·3	78·8	77·9	77·6	78·8	81·1	83·8	85·2	86·2	86·9	87·1	87·8	87·4	87·3	86·8	86·0	85·6	85·2	84·5	84·2	83·9	84·3	83·5
30	84·3	83·4	82·6	83·3	84·6	85·7	85·9	86·3	86·4	87·5	87·9	85·4	83·8	83·2	83·5	83·7	84·3	84·1	83·1	82·5	82·2	81·9	81·7	81·0	80·7	84·0
Mean ...	85·9	85·3	84·9	84·7	84·5	84·2	84·0	85·0	86·3	88·4	89·8	91·1	91·8	92·7	93·1	93·3	93·1	92·7	91·4	89·6	88·4	87·5	86·7	86·2	85·7	88·4
Normals 1871–1910.	84·9	84·6	84·3	84·2	84·0	83·9	83·8	84·4	85·4	86·7	87·8	88·9	89·5	90·1	90·3	90·4	90·1	89·6	88·5	87·4	86·6	86·1	85·6	85·2	84·9	86·8

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). SEPTEMBER, 1911.

1	82	87	84	84	88	89	90	89	83	78	69	63	51	49	45	45	43	44	47	55	62	74	83	82	87	69·5
2	87	91	92	92	93	93	93	84	70	63	55	46	39	40	41	38	40	42	48	54	67	77	84	88	92	67·5
3	92	93	96	94	90	91	92	85	73	61	58	53	52	48	44	46	48	44	50	60	63	70	78	80	76	68·9
4	76	83	84	85	83	86	88	83	79	61	56	54	64	70	65	56	51	52	57	65	74	85	87	89	89	72·5
5	89	89	87	87	92	94	94	88	88	80	67	56	46	39	36	33	34	40	43	66	77	79	81	86	84	69·5
6	84	89	87	89	89	91	94	89	82	76	64	55	48	47	43	35	33	33	42	60	69	72	79	84	95	68·3
7	95	91	94	93	91	94	90	87	82	71	62	48	42	36	35	36	43	38	51	63	73	77	79	89	89	69·1
8	89	92	95	93	94	94	94	90	85	71	57	49	45	37	35	35	36	37	43	53	54	64	79	78	82	66·5
9	82	82	77	85	84	84	86	84	82	78	77	76	72	*69*	*69*	*69*	*68*	*68*	63	66	67	64	64	65	67	73·9
10	67	68	76	79	80	78	83	81	74	64	60	55	50	48	45	49	53	54	61	66	70	74	75	78	74	66·3
11	74	68	70	67	67	74	77	71	59	49	43	37	31	29	27	28	35	35	42	50	66	74	78	80	79	55·6
12	79	83	83	83	83	79	82	85	76	53	53	39	38	33	35	34	37	39	44	50	55	73	87	86	85	62·1
13	85	87	88	86	86	88	90	94	89	87	82	83	80	78	76	85	90	94	95	94	93	94	93	93	93	88·1
14	93	93	94	94	95	95	95	92	87	78	76	70	63	60	54	51	51	53	57	73	75	77	78	80	78	76·1
15	78	81	83	84	86	86	85	81	73	69	63	61	57	55	57	57	55	53	62	66	73	72	75	78	77	70·4
16	77	78	81	80	83	86	87	79	74	68	59	55	52	50	49	47	48	54	58	67	73	79	86	90	89	69·5
17	89	93	92	93	92	93	94	94	85	75	72	62	57	54	53	52	55	57	62	79	88	90	91	86	89	77·4
18	89	92	93	91	93	94	93	91	89	76	67	63	60	55	53	53	53	53	61	65	74	77	80	83	85	74·9
19	85	86	87	90	90	91	93	91	84	71	65	61	57	55	55	57	56	63	70	71	87	88	86	87	94	76·3
20	94	95	96	95	96	95	95	90	84	76	74	71	84	76	80	73	91	87	84	83	72	86	88	90	88	85·5
21	88	87	88	87	89	90	91	91	86	77	71	64	63	57	63	60	59	65	65	70	71	79	79	86	87	76·0
22	87	91	89	89	91	95	91	91	90	84	76	66	56	54	53	49	54	63	74	78	86	84	89	91	94	78·1
23	94	94	93	88	88	87	88	85	83	66	59	55	52	54	55	57	57	63	69	85	91	95	97	96	94	77·1
24	94	95	98	99	99	95	95	94	90	79	70	63	64	60	52	51	50	51	65	81	87	91	90	94	91	79·4
25	91	92	95	95	98	95	96	94	97	86	81	63	64	59	62	59	57	63	73	77	79	75	75	86	93	79·7
26	93	95	94	83	87	90	94	93	87	75	68	63	59	58	52	52	54	59	67	75	81	83	87	90	92	76·6
27	92	91	93	94	91	90	87	86	81	77	70	62	59	60	61	57	60	71	78	83	85	85	85	83	84	78·2
28	84	94	96	97	96	94	91	81	83	84	70	63	58	56	57	55	57	62	66	76	75	83	83	87	88	77·1
29	88	87	88	90	91	91	91	91	83	68	57	55	53	53	48	49	50	52	61	59	61	66	73	77	72	69·8
30	72	87	92	93	92	93	94	94	90	78	75	76	70	63	63	64	59	57	62	63	63	64	66	70	69	75·0
Mean ...	85·6	87·8	88·8	88·6	89·2	89·8	90·4	87·6	82·3	72·6	65·9	59·6	56·2	53·4	52·1	51·1	52·6	54·9	60·7	68·4	73·7	78·4	81·8	84·4	85·2	73·2
Normals 1886-1910.	87·7	88·4	89·5	89·6	90·1	90·0	90·4	88·5	85·0	80·0	75·1	70·7	67·6	65·4	64·3	64·1	65·3	68·1	73·2	78·0	81·5	83·4	85·3	86·4	87·8	79·5

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** SEPTEMBER, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE* and TEMPERATURE.† SEPTEMBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9870	·9831	88·2	85·6	9	·9935	·9911	88·1	75·0	17	·9986	·9972	88·6	75·8	25	·9882	·9810	85·7	76·9
2	·9926	·9861	**92·2**	81·9	10	·9933	·9886	91·7	77·3	18	·9980	·9888	87·8	83·0	26	·9872	·9810	86·7	78·9
3	·9992	·9926	90·6	76·1	11	·9886	·9861	91·7	81·9	19	·9891	·9705	87·2	82·6	27	·9877	·9839	85·2	78·5
4	·9988	·9934	90·0	74·5	12	·9884	·9866	86·2	81·2	20	·9705	**·9634**	86·7	74·3	28	·9904	·9874	82·8	76·4
5	·9959	·9926	90·3	78·2	13	·9907	·9861	87·0	77·4	21	·9777	·9657	86·2	71·7	29	·9931	·9828	83·7	75·7
6	·9952	·9932	91·9	80·6	14	·9963	·9906	86·7	76·5	22	·9807	·9777	85·0	**70·3**	30	·9971	·9790	82·2	74·6
7	·9945	·9905	91·4	77·5	15	**·0011**	·9962	84·7	77·0	23	·9792	·9740	85·9	79·7					
8	·9917	·9882	91·7	77·8	16	·0009	·9982	84·3	76·0	24	·9865	·9762	88·2	78·7	Mean	—	—	87·6	77·7

TABLE II.

ESKDALEMUIR. SEPTEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9845	·9846	·9839	·9837	·9833	·9839	·9847	·9853	·9859	·9863	·9867	·9870	·9869	·9868	·9867	·9863	·9864	·9860	·9861	·9862	·9862	·9864	·9864	·9864	·9863	·9857
2	·9863	·9864	·9862	·9863	·9864	·9867	·9871	·9879	·9883	·9886	·9889	·9895	·9896	·9897	·9899	·9899	·9899	·9904	·9907	·9912	·9917	·9920	·9924	·9924	·9926	·9892
3	·9926	·9928	·9930	·9931	·9933	·9937	·9941	·9946	·9948	·9956	·9960	·9962	·9965	·9965	·9969	·9969	·9971	·9973	·9975	·9982	·9984	·9990	·9991	·9991	·9988	·9961
4	·9988	·9987	·9986	·9983	·9979	·9979	·9977	·9980	·9978	·9973	·9973	·9971	·9960	·9958	·9948	·9944	·9939	·9934	·9935	·9936	·9938	·9939	·9938	·9937	·9935	·9960
5	·9935	·9934	·9934	·9931	·9930	·9929	·9930	·9931	·9930	·9936	·9938	·9937	·9938	·9940	·9944	·9942	·9944	·9949	·9952	·9951	·9955	·9956	·9953	·9955	·9952	·9941
6	·9952	·9951	·9950	·9945	·9943	·9942	·9942	·9944	·9946	·9945	·9943	·9940	·9938	·9936	·9934	·9933	·9934	·9934	·9935	·9938	·9943	·9945	·9946	·9947	·9945	·9942
7	·9945	·9942	·9939	·9935	·9934	·9932	·9931	·9930	·9932	·9932	·9933	·9930	·9927	·9922	·9916	·9909	·9907	·9906	·9910	·9914	·9919	·9921	·9922	·9919	·9917	·9925
8	·9917	·9915	·9911	·9907	·9904	·9900	·9898	·9897	·9896	·9892	·9891	·9886	·9886	·9890	·9887	·9892	·9894	·9889	·9897	·9902	·9909	·9908	·9910	·9911	·9915	·9900
9	·9915	·9914	·9914	·9912	·9912	·9914	·9917	·9921	·9925	·9923	·9926	·9924	·9924	·9924	·9923	·9921	·9918	·9917	·9922	·9925	·9931	·9934	·9932	·9931	·9932	·9922
10	·9932	·9933	·9930	·9929	·9929	·9929	·9929	·9929	·9930	·9928	·9926	·9923	·9919	·9916	·9910	·9902	·9897	·9894	·9892	·9892	·9894	·9894	·9892	·9889	·9886	·9913
11	·9886	·9881	·9874	·9871	·9869	·9864	·9870	·9871	·9861	·9871	·9872	·9868	·9869	·9870	·9871	·9871	·9874	·9873	·9873	·9879	·9881	·9882	·9883	·9884	·9884	·9874
12	·9884	·9880	·9882	·9881	·9880	·9879	·9877	·9881	·9880	·9881	·9881	·9880	·9877	·9875	·9874	·9872	·9870	·9868	·9868	·9868	·9871	·9870	·9870	·9870	·9866	·9875
13	·9866	·9866	·9866	·9863	·9862	·9865	·9868	·9872	·9877	·9878	·9880	·9881	·9881	·9883	·9885	·9888	·9888	·9891	·9891	·9898	·9900	·9902	·9904	·9906	·9907	·9883
14	·9907	·9906	·9907	·9911	·9912	·9916	·9922	·9927	·9932	·9932	·9935	·9937	·9938	·9940	·9941	·9939	·9941	·9942	·9943	·9948	·9953	·9953	·9958	·9960	·9963	·9935
15	·9963	·9963	·9964	·9962	·9966	·9970	·9977	·9979	·9983	·9986	·9991	·9989	·9990	·9991	·9990	·9992	·9991	·9990	·9992	·9999	·0003	·0004	·0010	·0011	·0008	·9987
16	·0008	·0006	·0006	·0004	·0005	·0002	·0004	·0006	·0004	·0003	·0006	·0005	·0000	·9998	·9994	·9989	·9986	·9983	·9984	·9986	·9985	·9986	·9986	·9986	·9986	·9996
17	·9986	·9984	·9979	·9977	·9974	·9974	·9975	·9976	·9973	·9975	·9977	·9977	·9977	·9978	·9976	·9975	·9975	·9975	·9980	·9983	·9984	·9983	·9984	·9982	·9978	·9978
18	·9978	·9979	·9977	·9970	·9965	·9965	·9962	·9961	·9961	·9960	·9964	·9963	·9960	·9956	·9952	·9944	·9935	·9929	·9922	·9919	·9916	·9910	·9902	·9898	·9890	·9946
19	·9890	·9890	·9883	·9875	·9866	·9861	·9854	·9853	·9850	·9841	·9836	·9829	·9817	·9810	·9800	·9785	·9774	·9767	·9757	·9748	·9738	·9728	·9719	·9712	·9705	·9808
20	·9705	·9694	·9684	·9673	·9662	·9654	·9649	·9644	·9641	·9639	·9636	·9637	·9639	·9640	·9640	·9638	·9639	·9642	·9646	·9649	·9655	·9653	·9656	·9659	·9658	·9652
21	·9658	·9659	·9658	·9662	·9661	·9663	·9669	·9673	·9681	·9687	·9690	·9694	·9697	·9700	·9702	·9709	·9717	·9725	·9734	·9744	·9752	·9760	·9767	·9772	·9777	·9704
22	·9777	·9777	·9781	·9784	·9786	·9789	·9794	·9798	·9803	·9806	·9805	·9804	·9803	·9800	·9798	·9797	·9798	·9797	·9798	·9799	·9801	·9798	·9801	·9797	·9792	·9796
23	·9792	·9789	·9784	·9774	·9773	·9768	·9765	·9763	·9765	·9762	·9757	·9756	·9752	·9751	·9749	·9746	·9744	·9742	·9742	·9742	·9744	·9751	·9752	·9760	·9762	·9759
24	·9762	·9765	·9769	·9771	·9772	·9778	·9785	·9791	·9797	·9801	·9803	·9804	·9809	·9809	·9812	·9817	·9822	·9828	·9836	·9845	·9851	·9855	·9859	·9863	·9865	·9811
25	·9865	·9868	·9871	·9871	·9874	·9878	·9879	·9879	·9882	·9881	·9874	·9869	·9865	·9863	·9856	·9852	·9844	·9840	·9835	·9828	·9825	·9819	·9814	·9811	·9812	·9855
26	·9812	·9811	·9812	·9814	·9824	·9830	·9839	·9846	·9849	·9856	·9859	·9860	·9860	·9864	·9865	·9870	·9869	·9870	·9867	·9864	·9860	·9856	·9852	·9850	·9852	·9849
27	·9852	·9850	·9847	·9845	·9844	·9840	·9855	·9851	·9850	·9851	·9854	·9858	·9868	·9868	·9866	·9863	·9860	·9861	·9864	·9863	·9870	·9870	·9872	·9875	·9876	·9859
28	·9876	·9880	·9882	·9879	·9877	·9876	·9876	·9880	·9884	·9891	·9888	·9887	·9888	·9885	·9887	·9888	·9889	·9892	·9897	·9900	·9901	·9902	·9902	·9903	·9900	·9888
29	·9900	·9900	·9903	·9898	·9899	·9898	·9902	·9906	·9914	·9920	·9924	·9924	·9926	·9930	·9930	·9929	·9926	·9923	·9920	·9908	·9895	·9881	·9876	·9849	·9828	·9906
30	·9828	·9818	·9799	·9794	·9794	·9799	·9809	·9820	·9836	·9850	·9856	·9866	·9873	·9886	·9898	·9907	·9917	·9925	·9939	·9948	·9954	·9957	·9967	·9967	·9971	·9878
Mean...	0·9 8804	0·9 8793	0·9 8774	0·9 8751	0·9 8742	0·9 8746	0·9 8771	0·9 8796	0·9 8817	0·9 8835	0·9 8845	0·9 8842	0·9 8837	0·9 8838	0·9 8828	0·9 8815	0·9 8809	0·9 8808	0·9 8825	0·9 8844	0·9 8864	0·9 8864	0·9 8869	0·9 8861	0·9 8846	0·9 8817
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(22408—24.) Wt. 41466—310. 375. 2/12. D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* SEPTEMBER, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	12·5	—	15·2	—	15·7	—	15·7	—	14·3	—	12·5	—	11·2	—	9·8	—	9·4	—	8·5	—	9·4	—	11·2
2	—	8·5	—	8·9	—	6·7	—	7·6	—	6·7	—	5·4	—	5·8	—	6·3	—	6·7	—	5·8	—	4·0	—	4·0
3	—	0·5	—	1·3	—	0·9	—	0·5	—	0·9	—	1·8	—	1·3	—	4·5	—	7·6	—	6·7	—	6·7	—	6·3
4	—	0·9	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	1·8	—	3·1	—	2·7
5	—	0·0	—	2·2	—	2·2	—	2·2	—	3·6	—	4·0	—	3·1	—	5·4	—	5·4	—	4·5	—	6·7	—	7·2
6	—	6·3	—	4·5	—	4·9	—	4·9	—	5·4	—	4·9	—	4·9	—	4·5	—	4·5	—	5·4	—	6·7	—	8·1
7	—	0·5	—	0·0	—	0·0	—	0·5	—	0·0	—	0·0	—	0·5	—	2·2	—	3·6	—	3·1	—	3·6	—	4·9
8	—	0·0	—	0·0	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	—	3·6	—	4·9	—	5·8
9	—	2·2	—	0·9	—	0·5	—	0·9	—	1·8	—	1·3	—	1·3	—	0·9	—	3·1	—	5·4	—	4·0	—	3·1
10	—	1·3	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	—	0·5	—	0·5	—	0·5	—	2·2	—	3·6	—	3·1
11	—	0·5	—	0·5	—	0·5	—	0·0	—	0·0	—	0·5	—	0·5	—	1·3	—	1·8	—	2·7	—	5·4	—	4·9
12	—	0·0	—	0·0	—	0·0	—	2·7	—	2·7	—	3·6	—	3·6	—	3·1	—	1·3	—	3·1	—	2·2	—	1·3
13	—	3·1	—	3·1	—	3·1	—	3·1	—	3·1	—	1·8	—	1·8	—	1·8	—	1·8	—	1·8	—	3·6	—	4·5
14	—	0·9	—	0·9	—	3·1	—	1·3	—	1·3	—	0·5	—	0·5	—	1·8	—	3·6	—	4·5	—	4·0	—	3·6
15	—	1·3	—	2·7	—	4·0	—	2·2	—	1·3	—	1·8	—	3·6	—	4·9	—	5·8	—	5·8	—	6·3	—	6·7
16	—	3·1	—	2·2	—	0·9	—	0·9	—	0·5	—	0·9	—	1·3	—	1·3	—	1·3	—	1·8	—	0·5	—	0·9
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	2·2	—	4·5	—	6·7	—	6·3	—	6·7	—	6·7	—	6·7
18	—	5·8	—	3·6	—	5·8	—	5·8	—	6·7	—	6·7	—	7·6	—	6·7	—	6·3	—	8·1	—	7·6	—	7·2
19	—	4·9	—	4·5	—	5·4	—	5·8	—	6·7	—	8·1	—	7·6	—	7·2	—	7·6	—	7·6	—	8·5	—	8·9
20	—	2·2	—	2·2	—	6·3	—	5·8	—	7·2	—	6·3	—	4·0	—	3·6	—	4·0	—	5·8	—	5·4	—	6·7
21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	3·1	—	2·2	—	1·8
22	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	2·7	—	4·0
23	—	3·6	—	4·0	—	4·5	—	4·5	—	4·9	—	5·8	—	6·3	—	6·7	—	7·2	—	7·2	—	7·2	—	6·3
24	—	4·9	—	2·2	—	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	3·1	—	3·1	—	4·9	—	6·3
25	—	0·0	—	0·0	—	0·5	—	0·5	—	0·5	—	0·0	—	0·5	—	0·0	—	0·0	—	1·8	—	5·4	—	5·8
26	—	5·4	—	8·1	—	9·4	—	8·1	—	8·1	—	8·1	—	8·1	—	8·1	—	8·1	—	7·2	—	9·8	—	11·2
27	—	13·4	—	12·5	—	11·2	—	10·7	—	13·4	—	7·6	—	12·1	—	13·9	—	14·8	—	14·3	—	13·0	—	10·3
28	—	3·6	—	5·8	—	6·3	—	8·9	—	8·9	—	10·3	—	8·5	—	7·2	—	8·1	—	9·4	—	9·4	—	10·7
29	—	5·4	—	6·3	—	6·7	—	6·7	—	8·5	—	8·1	—	9·8	—	8·9	—	8·1	—	10·3	—	11·2	—	11·6
30	—	5·8	—	6·3	—	8·1	—	8·5	—	8·9	—	8·9	—	10·3	—	11·6	—	10·7	—	12·1	—	13·0	—	13·4
Mean ...	—	3·2	—	3·3	—	3·7	—	3·7	—	4·0	—	3·8	—	4·0	—	4·3	—	4·7	—	5·4	—	6·1	—	6·3
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
1	—	12·1	—	12·5	—	12·1	—	12·1	—	11·2	—	8·1	—	8·9	—	8·9	—	8·5	—	8·5	—	8·5	—	7·6	11·0	1
2	—	4·5	—	4·9	—	4·5	—	4·5	—	4·5	—	4·0	—	3·1	—	3·6	—	4·0	—	2·7	—	1·3	—	0·0	4·9	2
3	—	6·3	—	7·6	—	7·2	—	8·5	—	7·6	—	6·3	—	2·2	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	3·7	3
4	—	3·1	—	3·6	—	2·7	—	2·7	—	1·8	—	3·1	—	3·6	—	1·8	—	0·0	—	0·5	—	0·5	—	0·0	1·4	4
5	—	8·5	—	5·8	—	7·6	—	4·9	—	5·8	—	7·2	—	8·5	—	8·9	—	8·9	—	8·5	—	7·2	—	6·7	5·6	5
6	—	8·5	—	7·2	—	7·6	—	5·8	—	6·3	—	5·4	—	4·9	—	2·2	—	3·6	—	1·8	—	0·5	—	0·9	5·0	6
7	—	5·8	—	6·3	—	6·7	—	7·6	—	5·8	—	5·4	—	3·1	—	3·6	—	0·9	—	0·9	—	0·9	—	0·0	2·7	7
8	—	7·2	—	4·9	—	4·0	—	6·3	—	6·3	—	4·5	—	4·0	—	3·6	—	3·6	—	1·8	—	2·2	—	1·8	2·8	8
9	—	2·2	—	3·6	—	3·6	—	3·6	—	3·6	—	3·1	—	0·9	—	1·8	—	2·2	—	2·7	—	1·8	—	1·3	2·3	9
10	—	3·1	—	3·6	—	3·6	—	3·1	—	2·7	—	0·9	—	0·5	—	0·5	—	0·9	—	0·0	—	0·0	—	0·5	1·5	10
11	—	6·3	—	5·8	—	4·5	—	3·6	—	2·7	—	1·8	—	2·7	—	1·8	—	0·9	—	0·0	—	0·0	—	0·0	2·1	11
12	—	1·3	—	0·9	—	1·3	—	2·2	—	2·2	—	3·6	—	3·6	—	3·6	—	1·3	—	1·3	—	2·7	—	3·1	2·1	12
13	—	4·9	—	4·9	—	4·9	—	3·6	—	3·6	—	3·6	—	4·9	—	7·6	—	6·3	—	3·1	—	0·9	—	1·3	3·4	13
14	—	4·0	—	4·0	—	3·1	—	3·6	—	1·8	—	1·3	—	0·9	—	0·5	—	2·2	—	1·3	—	1·3	—	2·7	2·2	14
15	—	6·3	—	6·7	—	6·7	—	5·8	—	4·9	—	3·1	—	3·1	—	1·8	—	1·8	—	0·9	—	0·5	—	2·7	3·8	15
16	—	0·9	—	0·9	—	1·3	—	0·5	—	2·2	—	2·2	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·0	16
17	—	6·7	—	6·7	—	6·3	—	6·3	—	8·1	—	4·5	—	4·5	—	4·0	—	4·0	—	3·1	—	4·0	—	4·0	4·3	17
18	—	6·3	—	5·4	—	6·7	—	6·3	—	5·4	—	6·7	—	5·8	—	5·4	—	5·8	—	6·7	—	8·1	—	10·7	6·6	18
19	—	11·2	—	10·3	—	10·7	—	9·8	—	8·5	—	5·8	—	4·9	—	2·7	—	3·1	—	3·6	—	3·1	—	2·2	6·6	19
20	—	6·7	—	6·7	—	6·7	—	5·8	—	4·9	—	3·6	—	2·7	—	0·0	—	0·5	—	0·0	—	0·0	—	0·5	4·1	20
21	—	2·2	—	2·2	—	2·7	—	0·9	—	1·3	—	0·9	—	1·3	—	1·8	—	0·5	—	0·0	—	0·5	—	0·5	0·9	21
22	—	4·9	—	5·4	—	6·3	—	6·7	—	5·4	—	3·6	—	0·9	—	0·5	—	0·9	—	0·5	—	2·2	—	4·5	2·1	22
23	—	8·1	—	6·3	—	5·4	—	5·4	—	6·3	—	5·4	—	5·4	—	4·5	—	2·7	—	1·3	—	2·7	—	4·9	5·3	23
24	—	7·2	—	7·2	—	7·2	—	6·7	—	4·9	—	2·2	—	2·2	—	1·3	—	0·5	—	0·0	—	0·0	—	0·0	2·9	24
25	—	6·3	—	6·7	—	4·0	—	4·9	—	4·5	—	2·2	—	0·0	—	1·8	—	2·2	—	0·9	—	0·9	—	1·8	2·1	25
26	—	10·7	—	9·8	—	8·1	—	8·9	—	8·1	—	9·8	—	10·7	—	10·7	—	13·4	—	14·3	—	15·2	—	13·4	9·7	26
27	—	8·1	—	7·2	—	7·6	—	8·9	—	8·9	—	7·6	—	7·2	—	7·2	—	4·5	—	5·8	—	6·3	—	4·5	9·6	27
28	—	9·4	—	10·3	—	9·4	—	8·9	—	8·9	—	8·1	—	6·7	—	6·3	—	6·7	—	6·7	—	6·3	—	6·3	8·0	28
29	—	8·1	—	6·7	—	7·2	—	4·9	—	3·6	—	3·1	—	3·6	—	4·0	—	0·9	—	0·5	—	2·7	—	4·5	6·3	29
30	—	13·4	—	11·6	—	11·2	—	8·9	—	6·7	—	1·8	—	1·3	—	0·9	—	3·6	—	3·6	—	5·8	—	8·1	8·1	30
	—	6·5	—	6·2	—	6·0	—	5·7	—	5·3	—	4·3	—	3·8	—	3·4	—	3·2	—	2·7	—	2·9	—	3·2	4·4	
Normals.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. SEPTEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	1·78	1·52	0·76	0·25	0·25	—	—	—	0·25	1·52	1·02	1·27	0·51	—	—	—	—	—	—	—	—	—	—	—	9·13
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	0·25
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
12	—	—	—	—	—	—	—	—	0·25	0·51	—	—	—	—	0·25	—	—	0·25	—	—	—	—	—	—	1·26
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·78	0·51	—	—	—	—	2·54
20	—	—	0·51	0·25	2·03	1·02	0·76	—	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	5·07
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	1·27	3·05	3·30	2·03	1·78	2·54	5·59	1·27	—	—	—	21·59
24	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	0·76
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	0·25	0·25	2·29	0·25	—	—	—	—	—	—	—	1·27	1·02	3·56	0·25	—	0·25	1·78	—	1·02	—	—	—	0·51	12·70
28	—	0·51	—	1·27	0·51	—	—	2·03	0·51	—	0·25	0·51	0·25	—	0·76	—	—	—	—	—	—	—	0·25	—	6·85
29	—	0·51	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·27	3·30	1·27	2·03	8·63
30	1·78	0·76	0·51	0·25	0·51	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·57
Sum ...	3·81	3·55	4·07	2·52	3·80	1·78	1·26	2·03	1·26	2·03	1·27	3·56	2·03	5·08	4·31	3·81	2·53	4·06	4·32	7·12	2·54	3·30	1·52	2·54	74·10
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. SEPTEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	·1	·8	·9	1·0	1·0	·1	—	—	3·9	Air very humid.
2	—	—	·1	·5	·7	·2	—	·3	·5	1·0	·9	1·0	·7	·9	·9	—	—	7·7	Maximum temperature of Month, 92·2° [at 14h. 40m.
3	—	—	—	·6	1·0	1·0	·7	·1	·4	·8	1·0	1·0	·5	·4	·1	—	—	7·6	
4	—	—	—	—	—	·6	·4	·3	·6	1·0	1·0	·2	—	·5	·1	—	—	4·7	
5	—	—	—	—	·6	·1	·6	·5	·1	·3	—	—	—	—	—	—	—	2·2	
6	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	10·4	
7	—	—	—	—	—	—	—	—	—	·3	·9	·9	·6	·3	·5	—	—	3·5	≋ 0 A.M.
8	—	—	—	—	—	—	·8	·7	·5	—	·5	—	—	—	—	—	—	2·5	
9	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·6	·2	—	—	—	—	9·0	⊕ at 16h. 45m. ; ☋ at 20h. 15m.
10	—	—	—	·4	·9	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	—	10·2	
11	—	—	—	—	—	—	·3	1·0	·5	·7	·8	·8	·9	·3	—	—	—	5·3	
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	—	—	·1	·9	·8	1·0	·2	·5	—	·5	·3	—	·1	—	—	—	—	4·4	
14	—	—	—	—	·3	1·0	1·0	·5	—	·7	·5	·7	·6	—	·1	—	—	5·4	
15	—	—	·1	·6	1·0	·7	·7	·8	·2	·3	·8	·9	·9	·9	·5	—	—	8·4	
16	—	—	—	—	—	—	·1	—	—	—	·2	·1	—	·4	·2	—	—	1·0	
17	—	—	—	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	—	—	—	9·9	
18	—	—	—	—	—	·2	—	·1	—	—	—	—	—	—	—	—	—	0·3	
19	—	—	—	—	—	—	·1	—	—	—	·1	·8	·2	—	—	—	—	1·2	
20	—	—	—	—	—	—	·1	·5	·4	·5	·6	·6	·8	·2	·2	—	—	3·9	
21	—	—	—	·5	1·0	1·0	·9	·6	·8	·9	·3	·2	—	—	—	—	—	6·2	☊ to South at 16h.
22	—	—	—	·3	·3	—	·1	·3	—	·2	—	·1	·1	—	—	—	—	1·4	Minimum temperature of Month, 70·8° [at 6h.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	—	—	—	—	·3	·7	·9	1·0	1·0	1·0	·9	·9	·7	·3	—	—	—	7·7	
25	—	—	—	—	—	—	—	—	·2	—	—	—	—	—	—	—	—	0·2	≋ 0 early ; air very humid.
26	—	—	—	·7	1·0	·7	·8	·9	·8	·4	·1	·2	·6	—	—	—	—	6·2	
27	—	—	—	·5	·8	·5	·1	—	—	—	—	—	—	—	—	—	—	1·9	
28	—	—	—	·2	·1	·7	·9	·8	·6	·7	·9	·6	·7	·5	—	—	—	6·7	
29	—	—	—	·9	1·0	1·0	1·0	·9	·5	·1	·1	—	—	—	—	—	—	5·5	⊕ at 13h.–14h. 30m.
30	—	—	—	·3	·7	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	·8	—	—	—	9·4	
	—	—	0·9	8·1	13·4	14·4	14·6	14·8	12·1	14·4	15 4	14·3	12·3	8·8	3·2	—	—	146·7	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. SEPTEMBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	85·9	85·9	85·8	85·7	85·7	85·7	85·7	85·7	85·7	86·2	86·2	86·2	86·0	86·6	87·7	87·8	87·8	87·5	87·0	86·8	86·8	86·7	86·7	86·8	86·8	86·5
2	86·8	87·0	87·2	86·6	86·7	86·8	86·8	87·0	87·4	88·8	88·4	87·4	90·0	90·1	91·4	91·9	90·3	89·0	89·3	86·3	85·2	84·7	84·9	83·6	82·1	87·6
3	82·1	80·6	79·3	79·2	80·4	80·3	81·1	81·9	84·7	86·5	87·6	87·6	87·4	88·9	89·5	89·0	88·0	87·0	85·9	83·9	81·9	80·2	78·1	76·5	76·3	83·5
4	76·3	75·2	75·2	75·2	75·1	75·2	76·1	77·4	80·4	82·9	86·0	87·3	87·8	88·4	89·3	89·3	88·5	88·4	86·9	84·7	82·9	81·5	80·0	79·6	78·8	82·1
5	78·8	78·6	79·6	79·6	82·0	81·3	81·4	82·8	84·9	85·6	85·9	88·0	89·0	90·1	88·7	88·9	89·1	88·4	87·9	87·4	87·4	87·3	86·9	86·8	86·7	85·4
6	86·7	86·9	86·8	86·6	86·4	86·4	85·9	85·7	86·4	88·2	88·8	88·9	90·1	90·7	91·6	91·6	90·8	89·3	87·5	86·5	85·6	83·9	82·7	81·1	80·6	87·2
7	80·6	79·7	78·6	78·2	77·8	77·9	79·1	80·6	84·0	86·1	86·7	86·9	87·9	88·6	90·1	91·0	91·2	90·0	87·6	86·2	85·1	83·8	82·5	82·5	81·4	84·3
8	81·4	80·2	79·8	78·6	78·7	77·9	78·8	79·9	81·9	84·4	88·2	89·3	89·5	89·3	89·8	89·1	85·5	83·0	82·8	82·3	82·3	82·2	80·0	79·6	79·7	83·1
9	79·7	78·2	77·4	75·8	75·3	75·8	75·7	78·9	82·9	84·5	85·2	85·7	86·4	87·4	87·4	86·9	87·2	85·9	84·7	82·9	81·5	80·0	79·1	78·1	77·6	81·7
10	77·6	77·4	77·8	77·5	77·9	77·6	78·4	80·1	83·1	84·2	87·1	88·5	89·3	90·2	90·8	91·3	91·5	91·1	89·7	86·6	85·1	83·9	84·0	83·8	84·1	84·5
11	84·1	83·6	83·1	82·0	82·0	83·2	82·6	83·5	84·7	86·2	87·4	90·2	90·3	89·8	90·7	90·8	91·1	91·0	89·7	89·0	88·1	86·9	86·4	85·7	85·4	86·8
12	85·4	85·6	85·6	86·1	85·8	85·3	85·1	85·2	85·1	84·9	84·6	84·9	85·3	85·7	86·0	85·8	85·7	85·5	84·8	84·3	84·1	83·0	82·5	81·6	81·5	84·8
13	81·5	80·2	79·1	78·2	78·3	78·6	79·1	79·8	83·0	85·2	85·7	85·4	85·6	86·1	85·8	85·2	85·6	85·5	84·4	83·0	81·7	80·8	80·9	81·8	81·4	82·5
14	81·4	80·2	80·4	79·8	80·0	80·1	79·9	80·9	82·3	84·1	85·4	85·2	85·1	85·2	86·2	85·4	85·2	84·2	83·0	78·5	78·0	78·2	79·4	80·2	80·1	82·0
15	80·1	77·0	78·8	79·4	79·3	78·9	78·5	77·5	81·0	81·8	82·2	82·9	83·1	82·9	84·1	84·1	84·1	84·0	83·2	81·3	80·2	78·6	77·6	78·1	79·7	80·8
16	79·7	79·0	78·0	77·3	78·1	78·5	78·1	79·2	80·2	81·2	81·8	82·4	83·5	83·3	83·6	84·0	83·5	82·2	80·2	79·5	78·0	76·4	76·5	76·7	77·3	80·0
17	77·3	76·5	76·0	76·5	77·1	77·6	80·2	81·8	82·5	84·2	85·3	86·1	86·3	86·8	88·2	88·3	87·4	86·6	85·6	85·1	85·0	85·0	85·1	85·0	85·1	83·3
18	85·1	85·0	84·9	84·8	84·6	84·7	84·6	85·2	85·6	86·3	87·2	87·1	86·9	87·2	86·9	87·6	87·1	86·8	86·3	85·2	85·0	84·3	84·0	83·8	83·0	85·6
19	83·0	83·3	83·0	82·9	82·9	82·9	83·0	83·3	83·8	84·5	85·3	85·7	86·0	85·8	86·0	86·9	86·1	85·2	84·5	83·9	83·9	84·1	84·6	84·1	83·7	84·4
20	83·7	83·0	83·6	84·2	84·2	84·0	83·8	83·8	83·9	84·6	85·4	85·2	85·4	85·6	85·4	85·3	85·2	83·6	80·9	79·7	79·8	78·8	77·4	76·1	74·7	82·8
21	74·7	74·0	73·8	73·7	73·4	72·2	72·0	73·1	75·7	81·4	84·5	83·6	84·8	85·6	84·9	84·1	83·6	82·8	81·6	79·1	79·0	77·4	77·5	75·9	74·4	78·7
22	74·4	73·4	72·9	72·3	71·9	70·8	70·3	72·3	75·2	77·4	80·3	82·7	83·5	84·1	84·4	84·8	84·7	84·1	83·1	80·9	80·6	80·6	80·3	80·0	80·1	78·7
23	80·1	80·3	80·9	81·1	80·9	81·6	81·8	82·3	82·8	83·4	83·2	83·3	83·8	84·1	85·0	85·0	85·3	85·6	85·9	85·0	85·6	84·6	84·1	83·8	84·1	83·4
24	84·1	82·8	80·3	80·0	79·1	79·0	79·2	79·2	80·9	82·7	84·1	85·8	86·9	87·4	88·2	86·9	86·2	84·6	83·6	82·7	81·3	80·4	81·4	81·2	80·6	82·8
25	80·6	80·3	80·3	79·7	78·4	77·4	77·4	77·4	78·9	80·7	82·5	84·6	85·2	85·4	85·3	84·6	84·6	83·5	83·2	82·9	83·1	82·7	81·3	81·9	82·8	81·8
26	82·8	82·8	83·3	83·8	83·4	81·8	80·2	79·6	82·2	83·7	83·9	85·3	86·1	85·9	85·9	85·4	85·7	85·0	85·0	85·1	85·2	84·8	85·0	85·2	85·2	84·1
27	85·2	84·9	84·9	84·7	84·1	84·1	83·1	83·2	84·1	84·5	84·1	84·6	82·4	82·8	81·8	81·5	81·8	81·9	80·7	80·9	80·2	79·5	79·1	78·5	78·5	82·5
28	78·5	76·7	77·4	77·4	78·1	77·1	77·4	77·9	78·4	76·7	80·4	79·7	79·6	81·2	82·4	80·8	81·3	80·2	79·5	78·6	78·2	78·5	78·5	77·5	77·7	78·8
29	77·7	77·4	78·1	78·0	78·1	77·5	77·1	77·9	79·6	81·1	82·0	81·9	83·5	82·3	82·4	81·7	81·2	80·7	79·2	79·4	78·6	78·0	77·8	76·5	76·3	79·5
30	76·3	75·3	75·2	74·7	75·0	75·2	75·7	75·9	77·2	78·6	79·8	80·2	81·7	81·8	82·2	81·7	80·2	79·5	78·5	77·6	77·3	76·1	75·4	75·2	75·3	77·7
Mean ...	81·1	80·4	80·2	80·0	80·0	79·8	79·9	80·6	82·3	83·7	84·8	85·4	85·9	86·3	86·7	86·6	86·2	85·4	84·4	83·2	82·6	81·8	81·3	80·9	80·7	82·9
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). SEPTEMBER, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	98	98	98	98	96	96	98	100	100	97	98	98	99	98	88	82	84	85	91	93	94	96	96	96	100	94·9
2	100	96	93	96	96	99	94	92	90	82	84	88	74	71	66	60	64	70	70	81	81	87	91	95	96	84·1
3	96	97	98	99	97	97	97	97	89	73	64	66	70	69	62	61	63	65	69	73	79	86	92	91	89	81·1
4	89	91	92	92	93	92	95	96	98	94	74	70	68	63	61	62	68	70	80	84	87	93	95	95	95	83·6
5	95	96	97	97	97	98	98	95	90	87	90	81	72	74	83	79	80	86	90	94	93	91	91	89	90	89·2
6	90	90	91	91	91	90	94	94	84	74	73	72	72	66	64	63	70	71	75	80	82	89	94	97	96	81·7
7	96	99	98	100	100	100	98	100	100	100	100	99	97	94	85	82	76	88	79	80	85	91	93	93	97	93·0
8	97	97	98	99	98	97	99	98	99	97	82	75	77	75	72	80	86	96	90	95	94	97	94	99	100	91·4
9	100	97	98	97	94	98	93	95	87	71	65	66	68	65	68	66	63	69	75	82	85	88	90	95	94	82·2
10	94	92	94	94	93	93	93	94	82	81	72	68	67	64	65	63	66	70	80	88	88	93	92	91	86	82·2
11	86	90	92	93	96	93	95	94	96	90	82	69	71	72	78	77	80	79	89	94	97	93	98	100	100	88·0
12	100	98	98	95	90	91	88	91	91	95	98	98	96	94	92	95	94	87	91	90	87	92	88	81	78	92·0
13	78	81	86	89	88	89	92	89	87	70	67	71	72	67	68	74	75	76	78	83	82	83	83	79	81	79·5
14	81	87	87	88	88	88	90	91	81	70	62	61	62	64	60	58	59	68	73	85	83	82	87	86	92	76·9
15	92	90	89	87	86	86	86	92	77	68	68	64	64	63	63	60	63	63	69	74	82	88	90	91	84	77·1
16	84	84	84	88	84	85	86	81	77	68	67	61	64	63	63	63	69	74	84	79	83	88	89	94	89	77·7
17	89	92	94	94	95	92	89	74	78	74	74	72	74	70	66	68	76	77	81	83	88	89	91	94	93	82·4
18	93	95	97	97	98	97	97	93	93	90	87	88	87	83	82	74	79	78	80	85	85	86	84	81	76	87·5
19	76	74	80	85	90	93	93	90	90	83	80	76	75	74	74	65	81	89	94	98	100	100	95	98	100	86·0
20	100	99	99	100	98	96	98	99	99	95	81	77	70	66	72	68	66	75	83	81	83	84	91	91	99	86·3
21	99	88	87	89	87	87	87	90	84	77	64	65	60	57	63	68	75	80	82	85	79	84	83	85	84	79·1
22	84	86	85	87	83	80	78	77	90	95	85	81	73	77	75	73	72	80	85	89	89	87	88	87	85	82·8
23	85	84	83	80	79	79	81	85	87	88	96	96	98	100	97	100	100	100	100	100	100	93	98	99	97	92·2
24	97	95	97	97	98	97	98	97	100	90	86	80	72	66	65	71	73	87	87	91	93	97	99	98	100	88·9
25	100	100	100	100	100	100	99	100	99	100	98	98	79	81	78	79	90	94	96	95	98	97	100	99	95	94·9
26	95	96	94	93	91	86	89	95	86	84	76	72	67	69	71	75	78	82	82	82	80	85	87	87	87	83·2
27	87	91	94	98	85	74	91	94	87	78	79	71	84	89	88	90	93	93	90	85	85	87	79	87	81	86·5
28	81	94	90	87	84	90	85	85	87	93	83	92	85	78	79	83	75	77	79	84	82	86	86	89	81	84·7
29	81	86	90	85	91	84	87	89	78	75	70	67	63	68	66	69	67	72	83	79	86	94	87	93	86	79·7
30	86	100	93	92	91	92	92	90	86	79	75	72	68	63	61	64	76	77	78	74	77	77	74	74	73	79·4
Mean ...	91·0	92·1	92·5	92·9	91·9	91·3	92·0	91·9	89·1	83·9	79·3	77·1	74·9	73·4	72·5	72·4	75·4	79·3	82·8	85·5	86·9	89·4	90·2	91·1	90·1	84·9
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** OCTOBER, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.

Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE* and TEMPERATURE†. OCTOBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	**·0341**	·0265	86·2	80·7	9	·0296	·0232	86·7	80·6	17	·0150	·0101	87·8	86·1	25	·9948	·9904	84·9	80·2
2	·0265	·0144	86·1	82·9	10	·0322	·0288	85·9	79·8	18	·0122	·0088	89·3	86·4	26	·9908	·9777	84·4	79·8
3	·0233	·0119	85·8	81·5	11	·0297	·0198	87·4	82·6	19	·0090	·0010	**89·9**	87·4	27	·9973	·9759	84·2	80·1
4	·0249	·0232	85·4	80·3	12	·0198	·0119	88·0	81·2	20	·0032	·9882	87·6	84·0	28	·0168	·9973	82·4	**77·0**
5	·0263	·0198	85·9	83·7	13	·0119	·0067	88·9	86·3	21	·9882	**·9727**	86·1	82·9	29	·0154	·0025	86·8	81·4
6	·0202	·0193	86·4	82·8	14	·0139	·0084	88·9	84·5	22	·0008	·9767	86·2	82·8	30	·0167	·9964	86·8	80·8
7	·0196	·0149	86·2	79·6	15	·0197	·0138	89·1	85·9	23	·0018	·9969	85·6	81·9	31	·0208	·0161	84·5	81·9
8	·0232	·0149	87·1	79·5	16	·0188	·0146	88·7	86·0	24	·9969	·9927	83·7	77·9	Mean.	—	—	86·5	82·2

TABLE II.

VALENCIA. OCTOBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0321	·0325	·0324	·0325	·0328	·0329	·0330	·0332	·0337	·0340	·0336	·0333	·0332	·0328	·0324	·0322	·0313	·0308	·0301	·0296	·0289	·0283	·0276	·0273	·0265	·0316
2	·0265	·0264	·0259	·0252	·0249	·0248	·0247	·0250	·0248	·0244	·0245	·0241	·0239	·0230	·0223	·0215	·0207	·0204	·0199	·0192	·0185	·0175	·0164	·0151	·0144	·0222
3	·0144	·0138	·0132	·0128	·0119	·0130	·0128	·0139	·0152	·0162	·0169	·0176	·0180	·0179	·0179	·0184	·0191	·0197	·0203	·0210	·0215	·0225	·0227	·0230	·0232	·0174
4	·0232	·0237	·0235	·0236	·0233	·0235	·0238	·0242	·0242	·0245	·0248	·0245	·0246	·0244	·0242	·0237	·0236	·0241	·0242	·0244	·0244	·0244	·0241	·0244	·0240	·0241
5	·0240	·0241	·0241	·0238	·0239	·0239	·0249	·0256	·0256	·0259	·0261	·0261	·0254	·0250	·0247	·0241	·0236	·0233	·0230	·0228	·0226	·0215	·0212	·0208	·0198	·0239
6	·0198	·0188	·0175	·0162	·0163	·0164	·0175	·0182	·0180	·0191	·0197	·0200	·0201	·0193	·0192	·0191	·0193	·0194	·0197	·0198	·0199	·0199	·0199	·0200	·0195	·0189
7	·0195	·0193	·0188	·0185	·0183	·0179	·0176	·0176	·0172	·0175	·0173	·0170	·0168	·0162	·0157	·0153	·0150	·0151	·0155	·0157	·0156	·0160	·0160	·0159	·0159	·0168
8	·0159	·0155	·0152	·0150	·0150	·0152	·0154	·0158	·0162	·0169	·0171	·0176	·0180	·0179	·0181	·0181	·0186	·0194	·0203	·0210	·0216	·0223	·0225	·0230	·0232	·0181
9	·0232	·0233	·0235	·0233	·0233	·0237	·0237	·0243	·0251	·0257	·0260	·0259	·0260	·0260	·0261	·0262	·0266	·0270	·0273	·0278	·0283	·0289	·0294	·0295	·0296	·0260
10	·0296	·0294	·0291	·0290	·0292	·0300	·0308	·0313	·0317	·0321	·0320	·0317	·0312	·0308	·0306	·0305	·0300	·0301	·0303	·0303	·0304	·0304	·0306	·0303	·0297	·0305
11	·0297	·0294	·0290	·0283	·0279	·0274	·0270	·0271	·0269	·0266	·0260	·0257	·0253	·0244	·0239	·0231	·0225	·0222	·0219	·0220	·0219	·0213	·0207	·0200	·0198	·0248
12	·0198	·0191	·0183	·0179	·0174	·0171	·0166	·0164	·0166	·0166	·0163	·0162	·0157	·0148	·0147	·0141	·0138	·0136	·0134	·0137	·0134	·0132	·0129	·0124	·0119	·0154
13	·0119	·0113	·0110	·0107	·0098	·0093	·0092	·0088	·0086	·0086	·0083	·0082	·0080	·0075	·0073	·0072	·0070	·0069	·0071	·0072	·0074	·0078	·0079	·0082	·0084	·0085
14	·0084	·0088	·0089	·0092	·0094	·0099	·0103	·0107	·0112	·0120	·0121	·0123	·0123	·0123	·0123	·0122	·0121	·0122	·0122	·0125	·0125	·0128	·0127	·0130	·0138	·0115
15	·0138	·0147	·0152	·0152	·0161	·0169	·0176	·0182	·0190	·0191	·0193	·0190	·0196	·0193	·0193	·0190	·0190	·0194	·0195	·0193	·0188	·0194	·0191	·0190	·0188	·0182
16	·0188	·0177	·0169	·0167	·0167	·0162	·0163	·0164	·0164	·0161	·0163	·0165	·0162	·0155	·0157	·0154	·0149	·0148	·0146	·0150	·0157	·0160	·0157	·0154	·0150	·0160
17	·0150	·0148	·0144	·0143	·0140	·0138	·0136	·0140	·0141	·0140	·0141	·0143	·0143	·0138	·0137	·0131	·0129	·0125	·0124	·0120	·0114	·0115	·0109	·0107	·0101	·0132
18	·0101	·0096	·0092	·0091	·0088	·0092	·0099	·0105	·0111	·0114	·0120	·0121	·0118	·0116	·0115	·0114	·0112	·0107	·0109	·0109	·0109	·0105	·0101	·0095	·0090	·0106
19	·0090	·0084	·0079	·0074	·0071	·0067	·0062	·0061	·0062	·0056	·0056	·0056	·0049	·0040	·0034	·0031	·0026	·0025	·0022	·0023	·0021	·0021	·0017	·0013	·0010	·0046
20	·0010	·0013	·0013	·0012	·0013	·0020	·0025	·0027	·0030	·0032	·0029	·0026	·0018	·0005	·9987	·9971	·9959	·9955	·9943	·9929	·9918	·9906	·9894	·9889	·9882	·9982
21	·9882	·9872	·9861	·9850	·9842	·9832	·9827	·9821	·9816	·9811	·9804	·9794	·9774	·9758	·9750	·9742	·9731	·9729	·9738	·9745	·9755	·9760	·9760	·9763	·9767	·9790
22	·9767	·9768	·9773	·9778	·9785	·9793	·9802	·9811	·9816	·9831	·9847	·9860	·9872	·9879	·9886	·9904	·9915	·9927	·9941	·9957	·9968	·9981	·9981	·0002	·0008	·9874
23	·0008	·0013	·0017	·0016	·0017	·0016	·0015	·0016	·0014	·0012	·0005	·0003	·0001	·9999	·9997	·9996	·9996	·9994	·9993	·9989	·9987	·9985	·9980	·9976	·9969	·0001
24	·9969	·9963	·9958	·9949	·9943	·9942	·9944	·9938	·9939	·9940	·9942	·9942	·9939	·9939	·9936	·9935	·9934	·9934	·9934	·9934	·9935	·9936	·9934	·9930	·9928	·9940
25	·9928	·9921	·9913	·9907	·9904	·9905	·9907	·9910	·9919	·9926	·9929	·9935	·9938	·9938	·9941	·9942	·9946	·9946	·9947	·9946	·9943	·9941	·9930	·9922	·9908	·9928
26	·9908	·9890	·9873	·9839	·9810	·9779	·9791	·9799	·9802	·9806	·9812	·9814	·9817	·9814	·9814	·9810	·9805	·9805	·9807	·9813	·9810	·9810	·9806	·9799	·9795	·9816
27	·9795	·9788	·9787	·9779	·9773	·9768	·9764	·9764	·9767	·9768	·9772	·9781	·9789	·9793	·9804	·9819	·9831	·9849	·9869	·9890	·9909	·9926	·9942	·9959	·9973	·9824
28	·9973	·9984	·0007	·0020	·0032	·0052	·0064	·0081	·0101	·0015	·0126	·0131	·0137	·0144	·0164	·0149	·0153	·0158	·0162	·0166	·0166	·0167	·0164	·0161	·0154	·0107
29	·0154	·0151	·0146	·0140	·0131	·0122	·0115	·0117	·0122	·0118	·0113	·0112	·0105	·0100	·0091	·0082	·0074	·0067	·0064	·0060	·0056	·0052	·0043	·0036	·0025	·0096
30	·0025	·0014	·9999	·9988	·9991	·9980	·9964	·9991	·0015	·0031	·0049	·0063	·0076	·0088	·0101	·0112	·0123	·0131	·0139	·0148	·0154	·0159	·0164	·0167	·0165	·0073
31	·0165	·0164	·0163	·0164	·0166	·0162	·0163	·0165	·0167	·0175	·0178	·0180	·0184	·0184	·0187	·0188	·0190	·0196	·0200	·0204	·0206	·0206	·0207	·0206	·0205	·0183
Mean...	1·0 1042	1·0 1015	1·0 0984	1·0 0945	1·0 0925	1·0 0919	1·0 0932	1·0 0972	1·0 1008	1·0 1009	1·0 1060	1·0 1070	1·0 1065	1·0 1034	1·0 1028	1·0 1009	1·0 0998	1·0 1010	1·0 1027	1·0 1047	1·0 1053	1·0 1062	1·0 1041	1·0 1032	1·0 1005	1·0 1011
Normals 1871–1910.	1·0 1114	1·0 1101	1·0 1084	1·0 1060	1·0 1050	1·0 1046	1·0 1053	1·0 1063	1·0 1094	1·0 1114	1·0 1128	1·0 1131	1·0 1128	1·0 1111	1·0 1094	1·0 1084	1·0 1080	1·0 1087	1·0 1108	1·0 1125	1·0 1131	1·0 1135	1·0 1121	1·0 1128	1·0 1118	1·0 1099

(22999—24.) Wt. 41466—310. 375. 3/12. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY (V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. OCTOBER, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	2	2·2	2	2·2	—	0·9	3	3·1	3	2·2	—	1·3	—	0·5	—	0·0	—	0·0	—	0·9	—	0·9	29	2·7
2	30	6·3	32	5·8	32	6·3	32	5·8	32	7·2	32	8·1	32	6·7	32	5·8	32	5·4	32	8·1	31	6·3	30	7·6
3	32	9·4	1	8·5	2	8·1	1	6·7	3	7·6	3	9·4	2	9·8	4	9·4	3	9·4	3	8·5	4	7·2	4	7·6
4	6	2·7	2	5·4	2	5·4	4	5·4	2	5·4	3	4·5	3	3·6	4	3·1	3	6·7	2	8·1	4	6·7	3	7·2
5	3	5·8	4	4·5	4	4·5	4	5·4	3	5·8	3	5·4	4	3·1	3	6·7	4	6·7	4	6·7	4	5·4	4	6·7
6	32	2·2	3	9·4	3	11·6	2	10·7	4	9·4	4	7·2	6	9·4	4	10·7	4	9·4	4	5·4	5	3·1	4	4·0
7	—	1·3	—	0·9	—	0·5	—	1·3	—	1·3	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·5	32	2·7
8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·0	—	0·9	—	1·3	—	0·9	4	3·1	6	4·0	4	4·5
9	—	0·9	6	1·8	—	1·3	12	1·8	5	3·6	4	4·0	6	4·9	6	5·4	7	4·0	8	4·5	5	6·7	5	5·8
10	—	0·9	4	3·1	8	4·0	8	3·1	8	1·8	—	0·9	8	1·8	8	4·5	9	3·1	8	3·1	10	3·1	9	4·0
11	7	6·7	7	6·3	8	5·8	8	4·5	8	4·5	8	3·6	8	4·0	8	4·0	8	2·7	7	3·1	8	3·1	10	4·0
12	8	2·7	8	2·2	—	1·3	—	0·9	—	0·9	—	0·5	—	0·9	—	0·9	—	0·0	—	0·9	—	0·9	—	1·3
13	8	4·0	8	5·4	9	4·9	8	7·2	8	6·3	8	5·4	9	5·8	9	6·7	9	5·8	11	5·8	11	5·8	12	7·2
14	13	2·2	7	2·2	—	0·9	—	0·0	—	0·9	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	0·5
15	9	5·4	12	5·4	8	4·5	9	4·0	8	4·5	8	4·9	8	2·7	7	3·1	7	3·6	6	4·9	5	4·0	8	5·4
16	8	8·5	9	9·4	10	7·6	9	6·3	9	6·7	9	6·7	9	6·7	8	4·0	8	3·1	11	2·7	4	3·1	8	3·6
17	8	4·5	9	4·0	8	3·6	[4	4·5	7	5·8	7	7·2	7	6·7	9	7·2	8	8·1	8	5·8	8	5·8	9	7·2
18	80	4·0	8	4·0	10	4·0	10	3·6	13	4·9	15	3·6	15	3·1	15	5·4	15	4·5	14	4·9	14	4·0	12	6·3
19	8	5·4	9	5·8	9	5·4	10	4·5	11	5·4	9	5·4	9	4·9	9	5·4	9	5·4	10	5·4	10	4·9	9	5·4
20	20	3·6	—	1·3	—	0·9	15	2·2	17	2·7	20	1·8	18	1·8	17	1·8	17	2·2	14	3·1	12	5·4	13	4·5
21	15	5·8	15	4·0	14	2·7	17	2·2	15	2·7	16	4·5	15	5·4	16	5·4	15	6·3	15	6·7	15	8·5	15	8·9
22	25	4·9	25	9·4	25	9·4	24	10·3	24	11·2	24	11·2	25	11·6	24	12·1	28	7·6	28	9·4	28	9·4	27	10·7
23	24	11·2	25	9·8	24	8·5	24	7·6	21	6·7	21	7·6	21	5·8	21	4·5	20	5·8	20	6·7	19	5·4	23	5·8
24	—	0·9	—	0·0	—	1·3	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	28	3·1	24	4·0	24	4·9
25	23	5·4	22	4·5	17	2·7	27	5·4	28	5·8	28	8·1	29	6·7	28	7·2	29	5·4	29	6·7	28	5·4	26	5·8
26	14	3·6	16	4·0	15	5·8	13	8·5	14	9·4	24	13·9	24	13·0	23	13·9	22	13·0	22	11·2	24	11·6	21	12·5
27	16	4·0	15	2·2	13	2·7	10	4·5	9	6·7	9	8·5	9	9·8	8	8·9	8	8·1	9	8·1	8	7·2	9	6·7
28	4	10·3	4	7·6	5	6·3	7	7·2	6	3·6	4	4·0	4	3·6	—	1·3	—	0·9	—	0·5	—	1·3	—	0·9
29	16	4·5	16	3·6	15	5·4	15	5·4	16	6·3	16	5·4	20	4·9	18	3·1	17	3·1	16	4·5	17	5·4	20	8·9
30	18	10·7	18	11·2	18	12·1	20	7·2	18	4·0	16	3·6	27	11·2	25	11·2	24	12·1	27	13·0	27	10·7	26	11·6
31	22	13·0	22	13·0	22	13·0	22	11·6	22	13·0	22	13·0	22	13·0	23	11·2	23	10·7	24	10·7	24	10·3	27	10·3
Mean ...	—	5·0	—	5·1	—	4·9	—	4·9	—	5·1	—	5·2	—	5·3	—	5·3	—	5·0	—	5·4	—	5·2	—	6·0
Normals 1881–1910.	—	5·1	—	5·1	—	5·1	—	5·1	—	5·1	—	5·1	—	5·1	—	5·2	—	5·3	—	5·5	—	5·6	—	6·2

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	29	4·5	27	3·6	26	3·1	30	2·2	24	3·6	22	3·1	20	1·8	16	2·2	6	2·7	—	1·3	31	5·4	30	5·4	2·3	1
2	31	7·6	31	8·5	31	8·1	30	8·5	30	8·1	30	8·1	30	8·1	31	8·1	31	9·8	31	9·8	31	11·6	31	11·6	7·7	2
3	4	8·1	3	7·6	2	8·5	2	7·2	3	7·6	3	5·8	3	8·1	3	9·4	3	8·9	3	8·1	2	8·1	2	4·9	8·1	3
4	4	5·4	4	3·6	3	5·4	2	5·4	3	5·4	3	5·4	3	4·5	4	4·0	3	3·6	2	6·3	3	8·1	3	5·8	4	6·3	5·3	4
5	3	7·6	2	8·5	2	5·4	4	5·4	3	3·1	2	2·2	9	3·1	6	2·2	2	7·6	2	8·5	2	2·7	3	3·1	5·3	5
6	2	6·7	4	7·2	4	7·2	3	4·5	3	4·0	4	4·5	5	6·7	6	6·3	5	6·7	7	5·8	8	4·5	8	4·0	6·7	6
7	30	3·6	—	1·3	—	0·9	—	0·9	30	1·8	30	1·8	—	0·9	—	0·0	—	0·0	—	0·9	—	0·5	3	1·8	1·1	7
8	5	5·4	4	3·1	5	4·9	5	4·5	6	3·6	—	0·9	6	3·1	7	3·1	7	4·5	7	3·1	7	3·6	7	1·8	2·5	8
9	5	7·2	7	6·3	4	3·1	4	4·5	5	3·6	5	4·0	5	4·0	6	4·0	6	1·8	7	3·1	6	2·7	8	1·8	3·8	9
10	9	4·9	9	4·5	10	5·8	10	5·4	10	4·5	10	3·1	10	4·5	9	4·0	9	5·4	7	5·4	7	6·3	7	7·6	4·0	10
11	10	4·5	10	4·0	11	4·0	9	4·0	10	3·6	10	3·1	10	4·5	8	3·1	8	3·1	8	4·0	8	3·6	8	3·1	4·0	11
12	—	0·9	17	3·1	16	4·0	15	4·9	14	4·0	10	3·1	—	1·3	—	1·3	—	0·9	9	3·1	9	5·4	8	5·4	2·1	12
13	6·7	12	5·8	12	5·8	12	4·9	12	5·4	12	4·5	12	4·9	12	3·6	13	3·6	12	3·1	13	3·1	13	3·1	13	5·2	13
14	—	0·9	—	0·5	27	1·8	29	1·8	—	0·0	—	0·9	—	0·9	6	3·1	6	4·9	3	5·4	6	6·3	6	6·3	1·7	14
15	7	5·4	11	5·4	9	6·3	8	7·2	8	7·2	8	6·7	6	6·3	7	9·4	6	6·3	8	5·4	12	2·2	30	3·1	5·1	15
16	7	5·4	8	6·3	9	7·2	7	5·8	8	6·7	8	7·6	7	7·6	8	2·7	4	3·1	8	6·3	4	5·8	4	5·4	5·8	16
17	7	5·4	8	5·4	6	4·5	9	3·1	9	3·1	7	4·0	7	6·7	10	8·1	9	6·7	8	5·4	8	6·3	8	4·5	5·6	17
18	5·8	12	6·7	12	5·4	11	6·3	12	6·7	10	4·5	9	6·3	10	6·7	10	6·3	10	5·8	8	6·3	9	5·8	8	5·2	18
19	5·8	10	5·4	10	5·8	10	6·7	12	6·7	11	6·7	12	5·8	11	4·9	12	4·5	12	4·9	13	3·6	14	1·8	14	5·2	19
20	11	6·3	9	6·3	11	4·9	8	5·4	15	5·8	13	7·2	12	5·4	13	8·5	13	8·1	15	9·8	14	9·4	15	7·2	15	6·7	4·9	20
21	15	8·5	17	8·5	17	8·9	16	9·8	17	10·3	20	9·8	20	9·8	20	10·3	20	6·7	20	5·4	18	3·1	18	2·7	6·5	21
22	25	14·3	25	14·8	27	12·5	27	13·0	25	14·3	24	14·8	25	14·3	25	14·8	25	13·4	25	13·4	25	11·6	24	11·6	11·7	22
23	8·5	21	8·5	21	9·4	21	9·4	21	6·7	21	4·9	21	5·4	18	4·5	22	4·0	18	2·2	22	3·1	—	0·9	6·4	23
24	4·0	26	4·5	26	3·6	29	1·8	32	3·1	—	0·9	4	1·8	—	0·5	—	0·9	—	0·9	—	0·5	23	4·0	1·9	24
31	7·5	28	8·1	27	8·1	28	8·1	28	6·3	26	4·9	26	4·5	26	3·1	—	1·3	—	1·3	18	1·8	14	2·2	5·3	25
22	12·5	22	11·6	22	11·6	21	11·2	21	12·1	21	10·7	21	15·2	21	5·8	18	5·4	16	4·5	15	4·0	16	4·5	9·6	26
6	7·6	6	8·5	5	7·2	6	9·4	5	10·3	6	9·8	6	9·4	4	10·3	5	8·1	4	9·4	4	8·9	5	9·4	7·7	27
28	1·8	28	1·8	—	0·9	—	0·0	—	0·9	4	1·8	—	1·3	8	2·2	13	5·4	15	5·4	15	5·4	16	5·4	3·3	28
20	10·3	20	10·3	20	10·3	19	10·3	19	9·4	19	10·7	19	10·7	19	10·7	19	10·3	19	11·2	18	10·3	18	11·6	7·8	29
25	12·1	26	10·7	25	11·2	27	8·9	25	11·2	24	11·2	24	10·3	24	10·7	23	10·3	23	10·3	24	10·3	22	10·7	7·3	30
25	10·7	26	9·8	25	9·4	25	9·4	25	7·6	25	8·1	25	8·1	24	7·6	24	6·7	24	5·4	23	5·8	22	6·7	9·9	31
—	—	6·6	—	6·5	—	6·3	—	6·1	—	6·0	—	5·6	—	6·1	—	5·6	—	5·6	—	5·7	—	5·3	—	5·2	5·5	Normals 1881–1910.
—	—	6·3	—	6·4	—	6·4	—	6·1	—	5·8	—	5·5	—	5·3	—	5·2	—	5·1	—	5·1	—	5·1	—	5·1	5·5	

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. OCTOBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	0·25	—	—	—	0·75
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	0·25	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
4	—	—	—	—	—	—	0·51	—	—	—	—	0·25	—	—	—	—	—	—	0·51	0·76	0·51	0·76	—	—	3·30
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	0·25	—	—	1·27	0·25	3·30	—	0·25	5·83
14	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	3·81	1·02	0·51	—	6·36
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	0·25	0·25	—	—	—	—	—	0·25	—	1·25
18	—	—	—	—	2·03	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	0·51	0·25	3·04
19	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	1·02	2·79	1·78	2·03	0·76	6·86	15·49
20	7·11	1·27	0·51	1·27	—	—	—	—	—	—	—	—	0·25	0·51	0·51	0·25	0·51	1·27	1·27	1·02	—	0·25	—	—	16·00
21	0·76	0·51	—	0·25	—	0·51	—	—	—	0·25	2·03	0·51	0·51	0·51	0·25	—	1·78	—	0·25	—	—	1·27	—	—	9·39
22	0·51	—	—	—	—	—	0·51	0·51	—	—	—	0·51	0·25	0·25	0·76	0·25	0·51	0·51	0·25	—	—	—	—	—	4·82
23	—	—	—	—	—	0·25	2·03	—	1·27	1·02	0·25	0·25	—	—	—	—	—	—	—	0·25	—	—	—	0·51	5·83
24	2·54	3·05	—	1·52	0·51	3·05	1·27	3·30	0·25	—	—	—	—	—	0·25	—	—	1·02	—	—	—	—	—	0·76	17·52
25	0·25	0·25	0·25	0·76	0·51	—	—	—	—	—	1·02	—	0·25	—	—	—	0·25	—	—	0·25	0·51	—	—	—	4·30
26	—	1·02	2·79	4·06	5·08	—	—	—	0·51	—	0·25	1·02	0·51	0·25	—	—	—	1·02	—	—	0·25	—	—	—	16·76
27	—	1·02	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·27
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	1·78	2·54
29	0·25	0·25	—	1·52	1·02	0·25	—	—	—	0·51	1·52	—	—	—	—	0·51	1·78	0·51	1·52	—	1·52	0·76	0·51	0·51	12·94
30	0·25	6·09	4·82	4·57	3·05	3·05	0·76	0·76	—	0·25	—	—	0·25	0·25	—	0·25	—	—	—	—	—	0·25	0·25	—	24·85
31	—	—	—	—	0·25	0·51	—	0·76	0·25	—	—	—	—	0·25	0·25	—	0·25	—	—	—	—	—	—	0·51	3·03
Sum ...	11·92	14·99	8·87	13·95	12·45	7·62	5·33	5·33	2·28	2·03	5·07	2·54	2·02	2·27	2·78	1·51	5·83	4·33	5·07	7·10	8·88	9·64	3·55	11·43	156·79
Normals 1871–1910.	5·72	6·12	6·53	6·32	6·27	6·50	5·94	5·48	5·67	5·82	5·28	6·04	5·72	5·36	5·13	5·53	5·51	5·72	7·01	5·67	5·26	5·46	6·40	5·79	140·25

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. OCTOBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·1	·6	·6	·1	·6	—	—	—	—	—	—	—	—	—	2·0	Fair to dull and gloomy.
2	—	—	—	—	—	·2	—	—	·3	·4	·8	·6	·2	—	—	—	—	2·5	A.M. dull; P.M. fair.
3	—	—	—	—	—	—	·5	·9	·9	·9	·5	—	—	—	—	—	—	3·7	Fair.
4	—	—	—	—	—	—	—	·1	·4	—	—	—	—	—	—	—	—	0·5	Dull and unsettled-looking.
5	—	—	—	—	—	·3	·2	—	—	—	—	—	—	—	—	—	—	0·5	Dull.
6	—	—	—	—	·8	1·0	·4	·1	·9	1·0	1·0	·8	·1	—	—	—	—	6·1	Fair.
7	—	—	—	—	—	—	·2	·2	—	—	—	·1	·6	·1	—	—	—	1·2	☰; fair.
8	—	—	—	—	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	9·2	Fine.
9	—	—	—	—	·9	1·0	1·0	1·0	1·0	1·0	·6	·3	·1	·4	—	—	—	7·3	☰; ☰, fine.
10	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·4	—	—	—	8·6	☰; fine, but hazy, day.
11	—	—	—	—	—	—	·2	—	·2	—	·1	·5	·6	—	—	—	—	1·6	☰; cloudy.
12	—	—	—	—	·3	·7	·5	1·0	·9	1·0	1·0	1·0	·1	—	—	—	—	6·5	☰; fine.
13	—	—	—	—	—	·1	—	—	—	—	—	—	·2	—	—	—	—	0·3	Unsettled-looking to gloomy and showery.
14	—	—	—	—	·3	—	—	—	—	—	—	—	—	—	—	—	—	0·3	≋; dull, with ● at night.
15	—	—	—	—	—	·3	·9	·2	—	·2	—	·7	·1	·2	—	—	—	2·6	Fair.
16	—	—	—	—	—	—	—	·3	—	·8	·8	·1	—	—	—	—	—	2·0	☰, fair.
17	—	—	—	—	—	·2	—	—	·6	·5	—	—	—	—	—	—	—	1·3	Fair, to dull and showery.
18	—	—	—	—	·1	·2	·4	1·0	1·0	1·0	·9	·4	—	—	—	—	—	5·0	Fair generally; good visibility.
19	—	—	—	—	—	·4	·2	·2	1·0	·2	—	—	—	—	—	—	—	2·0	Fair to dull, with ●² at night.
20	—	—	—	—	—	·2	·4	—	—	—	—	—	—	—	—	—	—	0·6	Gloomy and showery.
21	—	—	—	—	·3	·5	·4	—	—	·5	—	·4	·1	—	—	—	—	2·2	Showery.
22	—	—	—	—	—	·1	·7	·5	—	—	—	—	—	—	—	—	—	1·3	Unsettled-looking to showery, with strong Wly. wind.
23	—	—	—	—	—	—	—	—	·7	·6	·9	·3	·2	—	—	—	—	2·7	Showery.
24	—	—	—	—	·3	·6	·8	·7	1·0	·7	·5	·6	·3	—	—	—	—	5·5	● early; brightening after 9h.
25	—	—	—	—	—	·9	·7	·2	·5	·5	·3	·8	·7	·1	—	—	—	4·7	● showers and bright intervals throughout.
26	—	—	—	—	—	·1	·4	·6	·7	·6	·2	·2	—	—	—	—	—	2·8	Unsettled-looking and showery; ☈ in evening.
27	—	—	—	—	—	—	—	—	—	·4	—	·1	—	—	—	—	—	0·5	Gloomy.
28	—	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	—	—	—	—	8·3	Fine day; becoming dull at night.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull all day, with ●.
30	—	—	—	—	—	·4	·6	·7	·8	·4	·5	1·0	·1	—	—	—	—	4·5	●² showers early; squally.
31	—	—	—	—	—	·2	·7	·9	·8	·9	·5	·6	·2	—	—	—	—	4·8	Squally and showery, with bright intervals.
	—	—	—	0·1	5·5	10·8	12·5	12·2	14·7	14·6	11·6	11·5	6·2	1·4	—	—	—	101·1	Total.
	—	—	—	0·48	6·21	10·36	11·75	12·68	12·69	13·09	12·62	11·07	7·69	1·95	0·02	—	—	100·59	Normals 1881–1910.

TABLE VI.

VALENCIA. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. OCTOBER, 1911.

First figure (2 or 3) omitted; in table I the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	83·3	83·2	83·0	82·1	82·3	81·8	81·4	80·7	81·4	82·6	84·0	84·9	85·2	85·3	85·4	84·3	84·2	84·1	83·5	83·2	83·5	83·1	83·9	86·2	86·1	83·5
2	86·1	85·9	85·4	85·3	84·9	85·0	84·9	85·0	84·9	85·2	85·3	85·4	85·7	85·9	85·7	85·9	85·7	85·2	84·6	84·9	84·6	84·8	84·9	84·6	82·9	85·2
3	82·9	82·9	82·6	81·8	82·6	82·5	82·1	82·1	81·7	82·0	82·6	83·6	84·6	85·4	85·3	85·4	85·0	85·2	84·4	84·2	83·9	83·2	83·2	82·4	81·5	83·4
4	81·5	80·7	81·4	81·4	82·0	82·1	82·1	81·8	82·0	83·3	83·3	83·2	83·8	83·3	82·7	84·1	84·3	84·6	84·3	84·5	83·8	84·9	84·8	85·2	85·1	83·2
5	85·1	84·7	84·7	84·4	84·0	84·0	83·8	84·1	84·2	85·0	85·1	85·2	85·1	85·3	85·1	85·6	85·4	85·4	85·4	85·4	85·3	85·7	85·9	85·7	85·5	85·0
6	85·5	85·7	85·1	84·6	84·4	83·7	83·1	82·9	82·8	83·5	83·9	84·1	85·0	86·0	86·2	86·2	86·2	86·1	85·7	85·3	85·0	84·9	84·3	84·0	84·2	84·7
7	84·2	82·4	82·6	82·3	81·4	82·2	80·9	80·7	80·7	82·3	83·8	85·2	85·7	84·9	85·9	85·8	86·1	85·7	84·0	84·7	83·8	82·6	81·8	80·2	79·8	83·2
8	79·8	79·7	80·1	80·7	80·7	81·3	81·1	80·7	80·0	81·5	84·3	85·3	86·0	86·2	86·8	86·8	86·2	85·7	84·8	84·4	83·8	83·8	83·1	83·5	82·9	83·2
9	82·9	82·5	82·8	82·8	82·5	81·8	82·0	81·8	82·2	83·2	84·5	85·1	86·0	86·7	86·5	86·4	86·2	85·2	83·9	82·9	82·6	81·7	81·7	80·6	81·1	83·5
10	81·1	80·4	79·9	81·2	80·7	81·1	79·8	80·6	81·3	83·0	83·8	84·9	85·0	85·6	85·6	85·7	85·6	85·1	84·3	83·9	83·7	83·6	83·4	83·4	82·7	83·1
11	82·7	83·2	83·2	83·5	84·1	84·1	84·3	84·2	84·5	84·9	85·4	86·2	86·3	87·4	86·8	87·3	87·1	86·0	85·4	85·0	84·3	84·0	84·1	84·6	84·3	85·0
12	84·3	84·3	84·2	82·7	82·3	81·3	81·6	81·5	81·8	82·4	83·9	85·4	86·8	87·4	87·8	87·9	87·0	86·8	86·6	86·0	86·1	85·6	86·0	86·3	86·5	84·9
13	86·5	86·5	86·6	86·4	86·6	86·7	87·0	87·4	87·6	87·9	88·2	88·1	88·8	88·8	88·6	88·5	88·2	88·1	87·8	87·7	87·6	87·0	87·1	87·1	86·7	87·5
14	86·7	86·8	86·6	86·7	86·0	85·5	85·3	84·6	85·0	85·6	86·3	87·5	87·7	88·3	88·8	87·9	87·7	87·8	87·5	86·8	86·8	86·7	86·5	86·8	87·3	86·8
15	87·3	87·5	87·5	87·7	87·8	87·9	87·8	87·4	87·2	87·7	88·8	89·1	88·8	88·8	88·7	88·7	88·5	87·9	86·9	86·7	86·4	85·9	86·2	86·2	86·2	87·6
16	86·2	86·3	86·2	86·2	86·3	86·3	86·5	86·8	86·7	86·5	86·7	87·0	87·6	87·9	87·9	87·8	87·6	86·8	86·7	86·2	86·2	86·2	86·4	86·5	86·5	86·7
17	86·5	86·8	86·6	86·7	86·5	86·3	86·3	86·4	86·5	86·4	86·8	86·8	87·0	87·5	87·3	86·2	86·6	86·3	86·4	86·5	86·8	87·2	87·5	87·3	86·8	86·7
18	86·8	87·2	87·2	87·5	87·5	87·4	86·7	86·5	86·9	87·0	87·8	88·7	88·8	88·8	88·8	88·5	88·1	87·6	87·9	87·9	88·1	88·2	88·1	88·4	88·2	87·8
19	88·2	87·9	88·0	88·1	87·8	87·9	87·9	87·8	87·5	87·9	88·3	88·4	89·0	89·8	89·2	88·6	88·4	88·5	88·2	88·3	87·9	87·8	87·8	87·6	87·5	88·2
20	87·5	86·6	85·9	85·5	85·6	85·4	85·1	84·5	84·3	84·1	86·2	86·7	86·7	86·6	86·8	86·7	86·7	86·5	86·5	86·9	86·7	87·2	87·5	86·8	86·1	86·2
21	86·1	85·8	85·4	84·8	84·5	83·9	83·1	83·1	83·8	84·9	84·6	83·2	84·2	85·1	85·7	85·4	85·4	85·2	84·4	84·7	84·9	84·6	84·6	83·5	83·2	84·6
22	83·2	83·8	85·0	85·2	85·2	85·6	85·4	85·2	84·7	84·6	85·9	86·1	85·6	85·5	85·1	85·1	85·3	85·1	85·0	84·8	84·9	84·6	84·1	84·5	84·5	85·0
23	84·5	84·6	84·5	84·6	84·3	84·1	84·5	83·8	83·4	84·0	84·2	83·8	83·4	84·9	84·8	85·2	84·5	84·1	83·5	83·8	83·5	82·7	82·1	82·6	82·4	83·9
24	82·4	82·3	82·2	81·8	81·7	81·4	81·2	81·2	81·0	81·2	81·7	82·9	82·8	83·2	82·8	82·5	82·5	81·7	80·4	80·4	79·9	79·2	78·3	78·5	78·4	81·3
25	78·4	81·3	80 7	80·7	82·5	83·1	83·8	83·8	83·1	83·1	84·3	84·6	83·8	83·8	84·3	84·5	84·3	84·0	83·7	83·8	83·7	82·6	81·1	81·0	80·4	83·0
26	80·4	81·4	82·2	82·8	82·7	83·5	84·0	84·3	83·9	83·9	83·1	83·5	83·2	83·8	82·4	82·9	82·6	82·9	81·4	82·2	81·0	80·8	80·1	81·2	81·2	82·5
27	81·2	80·5	80·7	80·4	80·7	80·6	81·0	81·2	81·1	81·5	82·1	82·3	82·6	83·9	83·4	82·4	82·2	81·9	81·8	81·2	81·7	81·7	81·8	81·9	81·4	81·7
28	81·4	81·2	80·4	79·9	80·0	79·6	79·3	78·5	78·2	78·4	79·5	80·7	81·7	82·1	82·3	82·4	81·7	80·2	78·8	77·0	77·5	81·1	81·5	82·3	82·3	80·3
29	82·3	82·1	81·5	81·8	82·5	83·2	84·1	85·2	84·6	84·9	85·6	86·0	86·7	86·8	86·7	86·8	86·7	86·4	86·6	86·7	86·7	86·8	86·7	86·8	86·7	85·3
30	86·7	86·8	86·7	86·7	85·2	85·4	85·1	83·1	82·6	83·5	82·2	82·4	82·9	83·6	81·2	82·8	81·5	81·8	82·6	82·3	82·4	82·3	82·3	82·2	82·3	83·4
31	82·3	82·4	82·8	82·9	82·5	82·8	83·3	83·3	83·2	82·9	82·4	84·0	82·8	84·0	84·2	83·8	83·4	82·9	82·7	83·3	83·4	83·4	83·4	83·5	83·5	83·2
Mean ...	84·0	84·0	83·9	83·8	83·8	83·8	83·7	83·6	83·5	84·0	84·7	85·2	85·5	85·9	85·8	85·7	85·5	85·2	84·7	84·6	84·4	84·3	84·2	84·2	84·0	84·5
Normals 1871–1910.	83·2	83·2	83·1	83·1	83·0	83·0	82·9	82·9	83·1	83·1	84·2	84·8	85·0	85·3	85·3	85·2	85·0	84·6	84·1	83·8	83·6	83·5	83·3	83·2	83·0	83·8

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). OCTOBER, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	71	71	73	78	81	84	84	89	85	85	75	72	69	70	66	77	77	83	87	95	96	97	96	87	85	81·5
2	85	84	84	80	82	76	73	73	72	74	70	67	68	67	63	64	68	68	69	69	68	63	64	63	81	71·3
3	81	78	77	81	74	76	76	76	80	78	74	73	70	67	67	67	67	64	64	64	63	66	70	65	71	71·4
4	71	78	72	75	76	81	81	85	84	73	72	76	71	76	83	74	72	72	74	80	92	88	90	85	84	78·6
5	84	88	85	87	89	86	84	84	82	77	74	75	74	72	72	72	73	78	81	83	83	81	83	86	87	80·6
6	87	86	87	87	77	82	84	84	83	82	82	81	73	73	70	70	71	68	75	73	75	76	79	80	80	78·4
7	80	87	84	87	92	88	95	93	94	89	88	83	79	83	79	82	77	75	83	81	89	91	93	93	95	86·4
8	95	94	94	94	98	94	95	94	95	95	84	77	72	75	71	71	76	79	83	78	84	83	86	81	85	85·1
9	85	87	81	81	85	89	88	88	87	81	76	72	70	66	63	67	66	70	76	80	82	80	71	78	77	77·7
10	77	78	83	78	83	79	82	80	77	73	72	69	68	68	67	67	68	70	74	76	77	78	78	78	82	75·1
11	82	77	80	79	79	78	77	78	76	79	78	78	74	72	70	70	71	74	77	78	82	82	76	77	81	76·8
12	81	82	83	88	89	93	93	92	91	93	88	79	74	77	77	81	84	84	82	87	85	87	90	85	83	85·2
13	83	86	85	89	88	88	82	85	84	85	84	86	80	79	80	83	88	86	86	86	85	94	93	94	93	86·0
14	93	94	96	95	97	96	93	97	96	95	95	90	88	83	85	87	88	91	86	87	86	90	91	94	90	91·3
15	90	85	82	84	84	83	83	84	87	85	80	79	79	77	78	78	75	75	75	71	72	75	72	72	73	79·0
16	73	70	72	74	75	75	74	75	73	77	75	75	73	73	73	73	74	79	77	80	81	80	78	78	80	75·5
17	80	78	81	81	83	85	86	84	83	84	81	81	80	73	78	88	85	89	87	86	86	82	79	84	91	82·9
18	91	88	87	84	85	87	97	97	95	93	91	85	80	80	78	85	80	84	83	82	80	82	83	85	87	85·8
19	87	88	87	86	86	84	84	88	87	85	82	80	80	76	78	82	83	83	85	83	90	90	91	94	95	85·2
20	95	96	96	96	97	97	96	94	94	95	92	82	81	85	85	87	87	94	89	88	92	93	89	94	89	91·3
21	89	87	92	92	96	93	93	92	91	82	82	90	91	92	85	86	83	89	91	90	87	87	86	93	95	89·3
22	95	95	85	82	80	80	80	82	90	87	80	79	84	84	88	90	85	88	88	85	83	84	87	88	69	84·8
23	69	66	67	70	79	90	84	91	96	92	91	92	92	83	83	77	76	79	80	79	79	91	91	91	95	83·4
24	95	94	95	95	96	93	93	95	96	94	84	81	81	76	71	77	76	79	87	87	89	91	90	93	91	87·7
25	91	88	94	94	90	86	79	79	86	84	74	79	88	77	80	76	77	74	74	72	72	85	92	90	92	82·6
26	92	89	91	93	93	93	77	77	71	78	78	75	82	77	84	78	72	72	82	75	76	88	89	83	80	81·6
27	80	81	81	92	86	81	82	80	80	76	75	72	75	72	77	84	84	84	78	80	76	77	79	79	82	79·7
28	82	82	82	79	78	81	78	81	82	84	79	75	69	64	58	61	69	81	78	85	83	74	77	81	92	77·0
29	92	91	91	92	96	98	98	95	94	91	93	95	96	94	93	93	93	94	96	93	95	94	95	94	94	94·0
30	94	94	95	95	98	95	91	93	91	72	76	69	70	66	78	60	75	74	69	66	70	73	74	78	80	79·5
31	80	80	75	74	79	79	76	81	80	82	85	71	79	70	.68	76	73	84	81	76	78	80	78	80	85	77·8
Mean ...	84·8	84·6	84·4	85·2	86·2	86·1	85·1	86·0	85·9	83·9	81·0	78·6	77·7	75·7	75·7	76·9	77·2	79·5	80·5	80·5	81·8	83·3	83·5	84·0	85·3	82·0
Normals 1886-1910.	86·4	86·6	86·9	86·9	86·8	86·9	86·7	87·0	86·7	85·7	84·0	81·5	80·2	79·4	79·0	79·1	80·2	81·6	83·7	84·3	84·9	85·3	86·0	86·1	86·6	84·3

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** OCTOBER, 1911.

Heights above Mean Sea Level: Station, H=5·6m. Barometer, H_b=10·4m.
Heights above Ground: Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{ 1+...+23+\frac{1}{2}(0+24) \right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE* AND TEMPERATURE†. OCTOBER, 1911.

Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.		Day.	Pressure.		Temperature.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0246	·0186	84·4	77·2	9	·0290	·0216	85·7	80·1	17	·0193	·0175	87·5	82·4	25	·9945	·9908	84·9	77·7
2	·0237	·0096	84·6	74·8	10	**·0339**	·0290	86·2	77·9	18	·0193	·0168	89·2	79·9	26	·9946	**·9807**	85·6	74·1
3	·0131	·0081	86·1	78·4	11	**·0339**	·0248	88·1	82·1	19	·0177	·0107	90·3	84·5	27	·9954	·9837	82·9	76·2
4	·0138	·0104	84·6	79·5	12	·0248	·0273	**91·0**	79·1	20	·0124	·0051	89·9	85·3	28	·0191	·9954	82·9	75·8
5	·0165	·0132	87·4	81·5	13	·0173	·0136	88·1	81·4	21	·0105	·9907	89·7	84·5	29	·0253	·0155	83·1	**72·6**
6	·0193	·0144	87·4	81·3	14	·0214	·0136	87·9	84·9	22	·9924	·9812	88·8	83·8	30	·0159	·0059	87·4	78·9
7	·0176	·0101	85·1	80·7	15	·0239	·0214	87·3	84·9	23	·0043	·9924	87·3	83·5	31	·0184	·0159	85·0	76·7
8	·0218	·0147	87·6	77·1	16	·0230	·0193	85·9	84·6	24	·0039	·9903	86·4	82·4	Mean.	—	—	86·7	80·1

TABLE II.

KEW. OCTOBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.
The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0186	·0193	·0198	·0201	·0205	·0209	·0217	·0221	·0227	·0231	·0236	·0233	·0232	·0234	·0235	·0234	·0236	·0238	·0243	·0243	·0245	·0245	·0243	·0239	·0237	·0227
2	·0237	·0234	·0228	·0221	·0217	·0216	·0212	·0209	·0207	·0201	·0197	·0190	·0178	·0169	·0160	·0155	·0148	·0141	·0135	·0131	·0125	·0118	·0112	·0100	·0096	·0174
3	·0096	·0092	·0086	·0083	·0082	·0083	·0089	·0093	·0099	·0104	·0107	·0106	·0104	·0104	·0104	·0103	·0106	·0111	·0116	·0121	·0124	·0126	·0128	·0128	·0130	·0105
4	·0130	·0128	·0126	·0124	·0122	·0121	·0122	·0118	·0118	·0116	·0116	·0114	·0113	·0109	·0108	·0108	·0105	·0111	·0117	·0122	·0130	·0133	·0137	·0134	·0133	·0120
5	·0133	·0134	·0136	·0133	·0136	·0140	·0144	·0152	·0161	·0164	·0164	·0164	·0163	·0160	·0158	·0155	·0154	·0155	·0156	·0155	·0151	·0149	·0148	·0146	·0144	·0151
6	·0144	·0145	·0145	·0147	·0150	·0156	·0164	·0170	·0179	·0184	·0186	·0186	·0187	·0186	·0185	·0183	·0180	·0181	·0185	·0190	·0190	·0189	·0184	·0182	·0176	·0175
7	·0176	·0174	·0166	·0153	·0143	·0138	·0138	·0136	·0129	·0123	·0122	·0114	·0108	·0106	·0103	·0103	·0109	·0114	·0119	·0124	·0131	·0135	·0142	·0143	·0147	·0131
8	·0147	·0149	·0152	·0154	·0158	·0162	·0165	·0170	·0176	·0180	·0185	·0184	·0180	·0177	·0175	·0175	·0182	·0181	·0190	·0197	·0200	·0205	·0213	·0216	·0217	·0180
9	·0217	·0216	·0217	·0217	·0220	·0221	·0224	·0231	·0238	·0238	·0239	·0239	·0239	·0240	·0243	·0245	·0247	·0249	·0255	·0262	·0269	·0277	·0284	·0287	·0290	·0244
10	·0290	·0292	·0295	·0296	·0304	·0310	·0315	·0322	·0329	·0332	·0334	·0337	·0336	·0332	·0332	·0329	·0327	·0327	·0332	·0332	·0333	·0336	·0338	·0339	·0339	·0324
11	·0339	·0336	·0330	·0326	·0323	·0322	·0321	·0320	·0323	·0322	·0319	·0314	·0306	·0299	·0291	·0282	·0273	·0273	·0269	·0266	·0263	·0263	·0258	·0252	·0248	·0298
12	·0248	·0242	·0236	·0229	·0223	·0219	·0219	·0219	·0218	·0216	·0213	·0209	·0199	·0197	·0192	·0187	·0184	·0180	·0183	·0183	·0183	·0182	·0179	·0175	·0173	·0203
13	·0173	·0171	·0167	·0162	·0159	·0157	·0156	·0160	·0163	·0163	·0159	·0155	·0152	·0147	·0143	·0139	·0140	·0138	·0138	·0138	·0141	·0140	·0138	·0137	·0136	·0151
14	·0136	·0136	·0136	·0136	·0138	·0139	·0140	·0143	·0150	·0154	·0160	·0160	·0160	·0163	·0165	·0166	·0169	·0175	·0183	·0188	·0195	·0201	·0205	·0207	·0214	·0164
15	·0214	·0218	·0221	·0221	·0223	·0223	·0228	·0231	·0236	·0238	·0239	·0238	·0233	·0225	·0225	·0226	·0223	·0227	·0229	·0231	·0231	·0231	·0229	·0229	·0229	·0228
16	·0229	·0226	·0221	·0221	·0218	·0215	·0216	·0216	·0216	·0216	·0213	·0214	·0213	·0207	·0203	·0201	·0199	·0200	·0202	·0201	·0201	·0202	·0202	·0196	·0193	·0210
17	·0193	·0193	·0190	·0187	·0185	·0185	·0183	·0186	·0189	·0191	·0190	·0187	·0179	·0180	·0179	·0177	·0178	·0177	·0183	·0185	·0187	·0191	·0191	·0188	·0186	·0185
18	·0186	·0185	·0184	·0185	·0187	*·0188*	*·0188*	·0189	*·0191*	*·0193*	·0193	·0189	·0182	·0176	·0172	·0170	·0170	·0171	·0174	·0174	·0175	·0177	·0177	·0175	·0175	·0181
19	·0175	·0177	·0170	·0166	·0165	·0163	·0159	·0161	·0159	·0156	·0152	·0147	·0140	·0138	·0132	·0127	·0124	·0123	·0126	·0124	·0123	·0122	·0117	·0115	·0107	·0143
20	·0107	·0104	·0099	·0092	·0089	·0085	·0080	·0077	·0068	·0059	·0053	·0071	·0082	·0088	·0098	·0105	·0110	·0116	·0122	·0124	·0122	·0118	·0114	·0110	·0105	·0095
21	·0105	·0099	·0091	·0081	·0072	·0064	·0049	·0037	·0028	·0011	·0004	·9998	·9989	·9970	·9958	·9958	·9958	·9958	·9957	·9954	·9948	·9940	·9930	·9919	·9907	·9999
22	·9907	·9897	·9877	·9877	·9864	·9857	·9850	·9845	·9835	·9827	·9812	·9823	·9837	·9842	·9843	·9846	·9852	·9863	·9871	·9870	·9874	·9882	·9896	·9907	·9924	·9861
23	·9924	·9938	·9951	·9959	·9970	·9978	·9988	·0002	·0009	·0020	·0029	·0034	·0035	·0039	·0040	·0040	·0042	·0042	·0041	·0040	·0040	·0040	·0039	·0038	·0039	·0014
24	·0039	·0036	·0036	·0029	·0024	·0022	·0016	·0015	·0012	·0005	·9999	·9991	·9981	·9974	·9960	·9945	·9943	·9941	·9932	·9924	·9913	·9905	·9907	·9908	·9909	·9975
25	·9909	·9912	·9911	·9909	·9909	·9909	·9912	·9915	·9918	·9918	·9918	·9922	·9918	·9917	·9916	·9919	·9919	·9924	·9930	·9932	·9936	·9936	·9940	·9943	·9945	·9921
26	·9945	·9945	·9942	·9940	·9938	·9932	·9928	·9923	·9916	·9907	·9895	·9886	·9862	·9838	·9809	·9822	·9833	·9840	·9847	·9849	·9854	·9857	·9859	·9863	·9864	·9883
27	·9864	·9863	·9864	·9863	·9862	·9855	·9859	·9856	·9855	·9850	·9843	·9843	·9837	·9840	·9842	·9848	·9860	·9870	·9885	·9898	·9910	·9920	·9931	·9944	·9954	·9871
28	·9954	·9965	·9975	·9980	·9990	·0001	·0004	·0019	·0032	·0043	·0054	·0063	·0072	·0077	·0087	·0095	·0107	·0118	·0131	·0141	·0157	·0164	·0175	·0181	·0191	·0071
29	·0191	·0196	·0201	·0207	·0211	·0219	·0223	·0231	·0240	·0246	·0252	·0248	·0242	·0242	·0237	·0235	·0228	·0220	·0214	·0207	·0199	·0187	·0174	·0163	·0155	·0216
30	·0155	·0147	·0139	·0131	·0126	·0124	·0119	·0119	·0116	·0111	·0104	·0099	·0085	·0079	·0068	·0060	·0061	·0071	·0097	·0108	·0125	·0136	·0148	·0155	·0159	·0112
31	·0159	·0161	·0165	·0169	·0172	·0174	·0176	·0175	·0178	·0180	·0181	·0176	·0171	·0166	·0163	·0161	·0161	·0163	·0167	·0168	·0172	·0173	·0177	·0178	·0184	·0171
Mean...	1·0 1261	1·0 1259	1·0 1244	1·0 1225	1·0 1221	1·0 1222	1·0 1227	1·0 1245	1·0 1263	1·0 1258	1·0 1248	1·0 1237	1·0 1198	1·0 1168	1·0 1137	1·0 1129	1·0 1138	1·0 1161	1·0 1203	1·0 1220	1·0 1241	1·0 1252	1·0 1263	1·0 1257	1·0 1260	1·0 1220
Normals 1871–1910.	1·0 1257	1·0 1243	1·0 1226	1·0 1206	1·0 1203	1·0 1199	1·0 1210	1·0 1232	1·0 1261	1·0 1267	1·0 1271	1·0 1267	1·0 1243	1·0 1215	1·0 1203	1·0 1193	1·0 1196	1·0 1210	1·0 1239	1·0 1254	1·0 1267	1·0 1274	1·0 1274	1·0 1267	1·0 1261	1·0 1237

(22997—24.) Wt. 41466—310. 375. 3/12. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY (V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. OCTOBER, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	29	4·9	28	5·4	28	4·9	29	4·5	29	4·5	28	4·9	28	5·4	29	4·5	30	6·7	30	6·7	30	6·7	31	6·7
2	29	1·8	29	1·8	—	1·3	27	1·8	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	27	1·8	28	2·2	28	3·1
3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	31	1·8	32	2·7	32	2·2	1	3·1	2	4·0	3	4·0	3	4·9
4	30	3·1	31	2·2	31	3·1	31	2·7	31	3·1	31	3·1	31	3·1	31	4·9	32	5·8	32	4·5	32	5·4	32	5·4
5	32	4·5	32	3·6	32	4·0	4	2·2	2	4·5	2	5·4	1	5·4	1	5·4	2	5·4	3	7·6	3	6·7	3	5·8
6	6	4·0	5	1·8	5	3·1	5	2·2	5	1·8	5	1·8	—	1·3	5	1·8	7	3·6	7	4·5	7	3·1	7	4·5
7	—	0·9	—	1·3	5	1·8	3	2·2	3	3·6	32	3·1	1	3·1	32	4·0	32	3·1	32	4·5	32	4·5	32	4·5
8	25	1·8	25	1·8	25	1·8	—	0·9	—	0·9	—	0·5	—	0·5	—	0·5	—	0·9	—	0·9	32	1·8	1	2·7
9	4	3·1	4	3·1	4	2·7	3	4·0	3	5·4	4	6·3	3	4·9	3	5·4	3	7·2	4	6·7	2	6·7	2	5·8
10	—	1·3	—	0·9	—	1·3	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	2	1·8	4	4·5	4	3·6	4	4·0
11	—	1·3	—	1·3	—	1·3	5	2·7	5	1·8	5	1·8	5	1·8	—	0·9	—	0·9	5	1·8	6	3·1	7	4·9
12	7	2·2	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	0·9
13	—	1·3	—	1·3	—	0·9	—	0·9	—	0·5	—	1·3	—	0·9	—	1·3	5	1·8	5	2·2	5	1·8	5	1·8
14	—	0·5	—	0·5	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·9	—	0·9	—	0·5	—	0·5	—	1·3
15	7	3·1	7	3·1	6	3·1	5	3·1	5	3·1	5	3·1	5	3·6	5	4·5	5	4·5	5	5·4	5	5·4	4	5·8
16	5	4·5	6	4·9	5	4·5	5	4·5	5	5·4	5	4·5	5	4·9	5	4·9	5	4·9	5	5·8	5	5·4	6	6·7
17	6	3·6	6	4·5	6	4·5	6	5·4	5	6·7	5	8·1	5	8·5	6	8·1	6	8·1	6	8·5	6	6·7	5	6·7
18	—	0·5	—	0·5	—	0·5	—	0·9	—	0·5	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9
19	—	1·3	6	1·8	—	1·3	—	0·9	6	1·8	—	1·3	6	1·8	6	2·2	6	3·1	6	3·6	6	3·6	7	3·1
20	—	1·3	14	1·8	13	1·8	13	2·7	13	3·1	13	3·1	14	3·6	13	4·5	14	4·5	19	5·8	20	5·8	20	6·7
21	17	3·6	16	3·1	16	3·6	16	4·0	14	3·1	14	3·1	12	4·5	13	5·4	13	6·7	14	8·5	15	7·2	16	7·6
22	16	3·1	16	3·1	16	4·9	16	2·7	16	1·8	18	3·6	17	3·6	16	4·5	18	6·3	18	9·8	20	10·3	20	10·7
23	23	4·5	21	4·9	22	4·5	21	3·6	21	3·1	21	3·6	21	3·6	22	4·5	22	5·4	22	7·2	22	6·3	22	5·4
24	20	4·9	20	3·1	20	2·7	20	3·1	20	2·2	20	1·8	20	2·2	18	3·1	16	4·0	16	4·5	17	5·8	17	5·4
25	20	1·8	20	2·2	20	1·8	20	1·8	20	2·2	20	2·2	22	2·7	23	1·8	19	1·8	21	3·6	24	3·6	22	3·1
26	—	0·9	—	0·9	—	0·9	—	0·5	—	0·0	—	0·0	—	0·5	—	0·9	22	2·2	17	3·1	17	4·5	15	4·9
27	20	5·4	20	4·0	20	3·1	20	1·8	—	0·9	—	0·5	—	0·9	—	1·3	—	0·9	20	3·1	2	3·1	4	5·4
28	32	3·1	32	2·2	32	2·2	32	3·1	32	3·6	32	4·5	32	4·5	32	4·5	32	5·4	32	5·4	1	5·4	1	6·7
29	—	1·3	—	0·9	—	1·3	—	0·9	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	32	1·8	—	0·9	32	2·2
30	17	4·9	18	6·7	18	8·5	19	9·4	19	8·9	19	9·4	19	10·3	18	11·2	18	11·6	18	11·2	19	11·6	18	13·0
31	22	2·7	21	3·1	21	2·7	21	1·8	21	2·7	21	2·7	21	2·2	20	4·0	20	4·5	21	4·5	21	5·8	22	7·2
Mean ...	—	2·6	—	2·5	—	2·6	—	2·5	—	2·6	—	2·8	—	2·9	—	3·3	—	3·8	—	4·6	—	4·6	—	5·1
Normals, 1881–1910.	—	2·4	—	2·4	—	2·4	—	2·4	—	2·4	—	2·5	—	2·6	—	2·7	—	3·2	—	3·6	—	4·2	—	4·3

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	29	7·6	30	6·7	31	6·7	31	5·4	29	4·9	31	3·6	30	1·8	30	1·8	—	1·3	30	1·8	29	1·8	29	1·8	4·6	1
2	27	2·7	29	3·1	30	2·2	—	1·3	—	0·5	—	0·9	—	0·9	—	0·9	—	1·3	31	1·8	—	1·3	—	0·0	1·5	2
3	1	4·5	3	4·5	1	4·5	2	4·5	1	4·5	1	1·8	1	3·1	32	3·1	32	4·5	32	4·5	32	4·0	32	4·0	3·1	3
4	32	5·4	32	5·8	32	4·5	1	3·1	1	3·1	1	3·1	1	3·1	32	3·6	32	4·0	32	3·6	32	3·6	32	3·6	3·9	4
5	3	7·2	3	6·7	4	6·7	4	5·8	3	4·0	3	4·0	2	4·5	1	4·5	2	5·4	1	4·5	1	4·9	2	4·5	5·1	5
6	5	4·5	7	5·8	4	4·5	5	4·0	6	2·2	6	1·8	6	1·8	6	1·8	—	1·3	5	1·8	5	1·8	—	1·3	2·8	6
7	31	3·6	28	4·5	28	4·0	26	3·6	26	3·1	26	2·7	26	2·7	25	2·7	25	1·8	25	1·8	25	2·2	25	1·8	3·0	7
8	2	3·6	5	3·6	5	3·1	5	2·7	5	2·2	5	1·8	5	1·8	5	2·2	5	4·0	5	2·7	5	3·1	5	4·0	2·1	8
9	3	5·4	2	6·7	3	5·8	2	6·7	1	5·4	1	5·4	1	3·6	1	4·0	2	3·1	2	3·1	2	3·1	—	1·3	4·8	9
10	4	4·0	4	4·5	4	4·9	5	4·5	5	4·0	5	2·7	—	1·3	—	1·3	—	1·3	5	2·7	5	1·8	5	1·8	2·4	10
11	8	5·8	7	5·8	8	6·7	7	6·7	8	5·4	7	4·9	7	4·0	7	3·1	7	1·8	7	3·1	7	3·1	7	3·6	3·2	11
12	9	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	1·0	12
13	5	2·2	5	1·8	—	0·9	—	0·9	5	1·8	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·5	—	0·5	1·2	13
14	5	1·8	5	1·8	5	3·1	5	2·2	5	3·1	6	5·4	7	5·8	7	4·5	7	4·5	7	4·5	7	4·5	7	4·5	2·2	14
15	4	6·3	3	5·4	4	5·8	5	5·8	4	5·4	5	4·9	5	4·9	5	3·6	5	3·6	6	3·6	5	4·9	4	4·5	4·4	15
16	5	6·3	5	5·4	6	4·9	6	7·2	6	7·6	5	6·7	5	6·3	5	7·2	6	6·3	6	4·5	6	4·9	6	4·9	5·5	16
17	5	6·3	5	5·4	7	6·7	6	5·8	6	5·4	6	3·6	6	3·1	6	2·2	6	1·8	—	0·9	—	0·9	—	0·9	5·1	17
18	6	1·8	6	3·6	6	3·1	6	3·1	6	3·1	6	4·0	6	3·1	6	3·1	—	1·3	6	1·8	6	1·8	—	1·3	1·7	18
19	10	2·7	—	1·3	14	2·2	13	3·6	11	2·2	11	2·2	—	0·9	—	1·3	13	3·1	13	3·1	14	2·7	—	1·3	2·2	19
20	20	7·2	20	6·7	20	5·8	20	5·8	20	5·4	18	5·4	18	3·1	18	1·8	18	1·8	18	3·1	18	4·5	17	4·0	4·1	20
21	14	8·1	16	8·9	18	8·1	18	6·7	18	4·0	18	3·1	18	2·2	18	2·2	18	2·2	15	3·1	14	2·7	16	4·0	4·8	21
22	20	9·8	19	8·5	19	8·1	20	6·7	20	6·3	19	5·8	19	6·7	19	7·6	20	7·6	21	6·3	20	6·7	21	4·9	6·2	22
23	23	6·7	22	5·4	22	5·4	20	4·9	21	3·6	20	4·5	18	5·4	19	6·7	19	5·4	19	5·4	19	4·9	19	4·9	5·0	23
24	18	4·5	18	3·6	18	7·6	20	6·3	18	4·9	17	4·5	15	3·6	17	3·1	17	2·2	20	4·0	24	3·1	20	2·7	3·9	24
25	24	3·1	25	3·1	22	2·2	22	1·8	—	1·3	22	1·8	22	1·8	—	1·3	—	0·9	—	1·3	22	1·8	22	1·8	2·1	25
26	15	5·8	16	6·7	23	8·1	22	6·3	21	4·5	21	4·5	20	6·3	20	5·4	20	5·4	20	5·8	20	5·4	20	5·4	3·7	26
27	5	4·9	2	5·8	2	4·9	32	4·5	32	3·6	32	3·6	32	4·0	32	4·5	32	4·0	32	5·4	1	3·1	1	3·1	3·4	27
28	32	6·7	32	5·4	1	4·9	1	4·0	32	3·1	32	3·1	32	2·7	32	1·8	32	2·2	—	0·9	—	0·9	—	0·9	3·6	28
29	19	2·7	16	4·5	17	3·6	17	4·5	17	4·0	16	4·5	16	3·6	16	4·0	16	6·3	16	6·7	17	8·1	16	5·8	3·0	29
30	18	13·0	18	12·1	18	12·1	18	10·3	22	8·1	26	4·9	24	3·6	23	3·1	21	3·6	21	2·7	22	3·1	22	2·7	8·2	30
31	22	7·2	21	6·3	22	6·3	21	4·5	20	4·9	20	5·4	20	4·5	21	3·6	21	3·6	21	2·7	21	3·1	21	3·1	4·1	31
	—	5·3	—	5·2	—	5·1	—	4·6	—	4·0	—	3·6	—	3·3	—	3·1	—	3·1	—	3·2	—	3·2	—	2·9	3·6	Normals 1881–1910.
	—	4·3	—	4·2	—	3·9	—	3·5	—	3·1	—	2·0	—	2·7	—	2·6	—	2·6	—	2·6	—	2·5	—	2·4	3·0	

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second, the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. OCTOBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25	—	—	—	—	—	—	—	0·50
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25
6	5·08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·08
7	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25	0·51	0·25	—	—	—	—	—	—	1·26
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	1·78	—	—	—	—	—	2·79	2·54	0·25	—	7·61
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25
16	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	0·51	—	—	1·02	0·76	0·25	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	3·30
21	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·25
22	—	0·51	5·59	—	—	0·25	2·03	2·03	0·25	0·25	—	—	—	—	—	—	4·32	—	—	—	—	—	—	—	15·23
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	0·51	0·25	0·76	4·83	4·32	4·32	2·29	—	0·76	6·35	4·06	0·76	—	—	—	29·21
25	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	0·51
26	—	—	—	—	—	—	—	0·25	—	0·76	0·25	0·76	0·51	—	—	—	0·51	—	—	—	—	—	—	—	3·04
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·02	2·03	1·27	0·51	0·51	5·59
30	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·27	1·78	0·51	—	—	—	—	—	—	—	3·81
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	5·33	0·51	5·59	—	0·51	0·25	2·03	3·30	1·26	1·77	1·26	2·02	5·34	5·08	7·62	4·32	6·10	1·01	6·60	5·08	5·58	3·81	1·01	0·76	76·14
Normals 1871–1910.	3·17	3·17	3·10	2·77	2·90	3·50	2·82	3·05	3·05	2·90	2·44	3·53	3·66	2·77	2·90	3·02	2·95	2·97	2·97	3·17	2·67	2·31	2·29	2·06	70·14

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. OCTOBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·7	1·0	·9	1·0	1·0	·8	·9	·9	·6	—	·1	—	—	—	7·9	Fine to fair; strong wind 10h.–16h.
2	—	—	—	·1	1·0	·9	·9	1·0	·8	·3	·8	·8	·4	—	—	—	—	7·0	Fine most of day.
3	—	—	—	—	—	·1	·7	·9	·8	·6	·7	·8	1·0	·4	—	—	—	6·0	≋⁰; fine on the whole.
4	—	—	—	·1	·2	·7	·3	—	—	—	—	—	·2	—	—	—	—	1·5	Fair to dull; ●⁰.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
6	—	—	—	—	—	·4	—	·3	·5	·2	·8	·7	·7	—	—	—	—	3·6	≋², and ●², early; fair, but misty later.
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and gloomy; ●⁰. [22h. 15m.
8	—	—	—	—	—	·4	1·0	1·0	·5	·6	·6	·3	—	—	—	—	—	4·4	≋² early; clearing after 9h. [about
9	—	—	—	—	—	—	·7	·8	·2	—	—	—	—	—	—	—	—	1·7	Cloudy day, brightening 10h.–12h.; ◫
10	—	—	—	·2	1·0	1·0	·6	·2	·4	—	—	—	—	—	—	—	—	3·4	Fine to fair; ◫ at 21h. 30m.
11	—	—	—	—	—	—	·1	·1	·6	1·0	1·0	·8	—	—	—	—	—	3·6	Misty morning, clearing in afternoon.
12	—	—	—	—	—	·4	1·0	1·0	·5	·9	1·0	·8	·1	—	—	—	—	5·7	≋² till 10h., then fine.
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋ all day; ● P.M.
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋² at first; remaining dull and misty
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull. [throughout.
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast and misty.
17	—	—	—	—	—	—	—	·1	1·0	1·0	·9	·9	—	—	—	—	—	3·9	Dull till about 11h., fine later.
18	—	—	—	—	—	—	—	—	—	—	·8	·8	—	—	—	—	—	1·6	≋² early; then misty generally.
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Foggy and cloudy.
20	—	—	—	—	—	—	—	—	—	·3	—	—	—	—	—	—	—	0·3	Dull generally, with ● A.M.
21	—	—	—	—	—	—	—	—	—	—	·1	·1	1·0	·3	—	—	—	1·5	Overcast to cloudy.
22	—	—	—	—	—	—	—	·1	·6	·9	·2	·3	·2	—	—	—	—	2·3	●² with ⊤ and <, 2h.–3h.; fine intervals.
23	—	—	—	·1	·6	·5	·9	·6	·1	·2	·7	·1	—	—	—	—	—	3·3	Cloudy to bright during day.
24	—	—	—	—	—	·2	·2	—	—	—	—	—	—	—	—	—	—	0·4	Dull and ●.
25	—	—	—	·3	·9	1·0	·9	·9	·5	·7	·4	·9	—	—	—	—	—	6·5	⊤ and ●⁰ about 14h.–15h., otherwise fine.
26	—	—	—	—	—	—	—	—	—	—	—	·8	·7	—	—	—	—	1·5	≋² early; dull with ●.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and foggy.
28	—	—	—	—	—	·8	1·0	1·0	·9	1·0	·5	—	·5	—	—	—	—	5·7	Fine.
29	—	—	—	—	—	—	1·0	·1	·8	·8	·8	—	—	—	—	—	—	3·5	▭; fine during day; ⊕ at 10h.–11h.;
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ● and strong wind. [● in
31	—	—	—	—	·7	1·0	1·0	1·0	1·0	1·0	·9	·5	—	—	—	—	—	7·1	Fine throughout. [evening.
	—	—	—	1·0	4·0	7·8	11·1	10·5	10·2	9·8	11·3	9·1	7·2	0·9	—	—	—	82·9	Total.
	—	—	—	0·86	5·44	8·94	11·00	12·15	11·84	11·92	11·78	9·88	6·75	1·37	—	—	—	91·93	Normals, 1881–1910.

TABLE VI.

KEW. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. OCTOBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	80°·7	80°·2	79°·8	79°·1	78°·8	78°·6	78°·2	78°·7	79°·4	80°·7	81°·7	82°·9	83°·5	84°·0	84°·2	84°·1	83°·4	83°·1	82°·4	81°·3	80°·3	79°·1	78°·5	77°·8	77°·2	80°·8
2	77·2	76·5	76·2	75·9	75·9	75·4	74·9	75·3	77·0	80·0	81·5	82·6	83·2	84·0	84·2	84·6	83·9	83·8	31·2	80·2	80·4	79·8	79·9	79·5	79·7	79·8
3	79·7	79·6	79·6	79·7	79·5	79·0	78·6	79·2	79·5	80·6	82·2	83·4	84·0	84·8	85·6	85·4	85·5	85·1	83·9	83·6	83·2	82·6	82·6	82·3	82·0	82·1
4	82·0	81·0	80·4	80·2	79·7	79·7	79·7	79·9	80·9	82·2	83·2	83·5	83·8	84·1	84·2	83·7	84·1	84·0	83·2	82·9	82·6	81·9	81·7	81·5	81·7	82·1
5	81·7	81·9	82·0	82·3	82·4	82·9	83·0	82·9	83·3	83·9	85·1	85·3	85·7	86·5	87·0	87·4	87·2	86·6	86·1	85·8	85·6	85·3	84·9	84·6	84·5	84·6
6	84·5	83·4	83·0	83·3	82·9	82·6	81·9	81·7	81·5	83·7	84·3	85·3	86·0	86·4	87·4	87·0	86·7	86·1	85·0	84·1	83·1	82·2	82·1	81·7	81·4	83·9
7	81·4	81·3	80·8	81·8	82·4	82·5	81·9	81·7	82·0	82·6	83·1	83·8	84·3	85·0	85·1	84·9	84·0	83·8	83·7	83·4	83·4	83·2	83·1	83·0	82·5	83·0
8	82·5	81·9	81·4	80·9	80·0	78·8	78·4	77·4	78·2	80·1	82·1	85·5	86·3	87·2	87·4	87·5	87·1	86·4	85·6	84·8	84·0	84·6	84·1	83·4	82·8	83·2
9	82·8	82·4	81·7	80·9	80·8	81·5	82·3	82·7	83·1	83·8	84·4	85·3	85·7	85·3	84·9	84·8	84·2	83·7	82·5	82·1	81·5	81·1	80·6	80·2	80·1	82·8
10	80·1	79·6	79·2	79·1	78·8	79·0	78·0	78·4	79·9	81·3	83·8	84·6	85·2	86·0	85·8	85·7	85·1	85·2	84·1	82·6	82·3	82·1	82·4	83·0	83·0	82·2
11	83·0	82·9	82·4	82·5	82·9	82·8	82·9	83·0	83·4	83·9	84·6	85·8	86·0	87·1	87·4	87·0	86·2	85·2	84·6	84·2	83·7	82·9	82·4	82·4	82·4	84·1
12	82·4	82·2	81·8	81·7	80·2	80·0	80·2	79·2	79·9	81·3	83·7	86·2	87·8	89·2	90·6	90·6	90·1	88·2	85·9	85·0	84·4	83·6	82·4	82·1	82·3	84·1
13	82·3	83·0	82·3	82·5	82·0	81·8	82·1	82·4	83·2	83·5	84·5	85·4	86·3	87·4	88·0	87·6	87·6	87·4	87·2	87·0	86·4	86·5	86·4	86·3	85·8	85·0
14	85·8	85·4	85·6	85·6	85·4	85·3	85·2	85·0	85·4	85·9	86·1	86·9	87·8	87·4	87·3	87·9	87·6	87·5	86·7	86·4	86·3	86·3	86·3	86·4	86·3	86·3
15	86·3	86·3	86·1	86·0	85·9	85·8	85·7	85·6	85·6	85·4	86·5	87·0	87·1	86·9	86·7	86·3	86·0	85·7	85·3	85·1	84·9	85·1	85·1	85·3	85·4	85·9
16	85·4	85·2	85·0	85·2	84·9	85·0	84·9	84·9	85·1	85·3	85·3	85·6	85·6	85·3	85·7	85·7	85·8	85·4	84·9	84·9	84·6	84·8	85·3	85·7	85·8	85·2
17	85·8	86·0	85·9	85·9	85·7	85·7	85·4	85·3	85·3	85·6	85·8	86·0	86·6	87·2	87·3	87·3	86·7	86·0	85·2	85·0	84·6	84·3	83·4	83·0	82·5	85·6
18	82·5	81·2	80·5	80·8	80·2	80·3	80·1	81·0	81·1	81·8	82·4	83·0	83·8	85·6	88·7	89·1	88·6	87·1	86·3	85·8	85·1	84·9	84·3	83·9	84·8	83·7
19	84·8	84·8	84·9	84·9	84·8	84·9	85·0	85·1	85·7	86·7	86·8	88·7	89·5	89·9	89·7	90·1	89·8	88·6	88·1	87·6	86·9	87·4	87·5	87·4	86·8	87·1
20	86·8	85·8	86·3	85·8	86·7	87·0	87·2	87·7	88·2	88·0	87·9	88·8	88·8	89·5	88·9	88·8	88·5	87·6	87·3	86·9	86·5	86·3	86·9	87·1	87·1	87·5
21	87·1	87·2	87·1	86·8	86·8	86·5	85·9	86·3	86·9	88·0	88·8	89·5	88·9	88·6	89·3	88·7	88·8	87·6	86·2	85·3	84·7	84·7	84·9	85·2	86·3	87·1
22	86·3	86·1	86·1	84·1	83·9	83·9	84·8	84·6	84·6	86·3	86·7	87·0	87·4	88·7	87·7	87·2	87·3	85·8	85·7	85·4	85·7	85·3	84·9	85·2	84·8	85·8
23	84·8	85·2	85·2	85·2	84·6	84·0	83·6	83·6	84·2	85·8	86·0	86·4	86·3	86·5	87·0	86·8	86·3	85·9	85·4	*85·6*	*85·6*	*85·4*	85·2	84·4	84·5	85·4
24	84·5	84·3	84·0	84·1	83·5	83·2	82·9	83·5	84·2	85·3	86·3	86·1	85·7	85·6	85·0	86·1	85·6	84·8	84·6	84·1	83·8	83·4	83·9	82·6	82·4	84·4
25	82·4	82·1	81·4	80·8	80·3	80·2	79·9	79·9	80·3	81·0	82·1	83·1	83·6	83·9	84·5	83·2	83·8	82·9	82·1	80·9	79·7	78·6	77·8	78·1	77·8	81·3
26	77·8	76·9	77·1	76·4	75·0	74·9	74·2	74·5	75·6	79·1	80·8	81·4	82·3	82·6	83·8	85·4	85·4	84·0	82·9	82·3	81·7	81·5	81·5	81·3	81·0	80·0
27	81·0	81·0	80·4	80·0	79·8	78·9	77·4	76·3	77·4	78·6	80·8	82·3	82·9	82·9	82·4	82·8	82·0	*81·9*	81·9	81·9	81·6	81·3	81·3	80·8	80·3	80·7
28	80·3	79·7	78·8	77·9	77·2	76·3	77·0	77·3	77·5	79·1	80·5	82·0	81·9	82·8	81·9	82·0	81·9	80·4	79·7	78·8	78·0	77·4	77·1	76·3	75·8	79·2
29	75·8	75·3	74·6	74·3	73·8	73·4	73·1	72·6	73·0	73·2	75·4	77·6	79·3	80·7	81·5	*81·4*	*81·3*	*81·2*	81·1	81·3	80·9	81·3	81·9	82·4	83·1	77·9
30	83·1	84·1	85·0	85·2	85·2	85·6	86·0	86·0	86·2	86·4	86·5	87·0	87·4	86·5	86·5	85·8	85·4	85·2	84·2	82·9	81·7	81·0	80·2	79·7	78·9	84·6
31	78·9	78·3	78·2	77·6	77·2	76·8	77·1	77·1	77·9	79·9	81·5	83·1	83·8	84·5	84·6	84·5	82·5	81·9	81·5	81·2	81·0	80·8	80·1	80·0	79·6	80·4
Mean ...	82·6	82·3	82·0	81·8	81·5	81·4	81·2	81·3	81·8	82·9	83·9	84·9	85·4	85·9	86·1	86·1	85·8	85·1	84·3	83·8	83·4	83·1	82·9	82·7	82·5	83·4
Normals 1871–1910.	81·5	81·4	81·2	81·1	81·0	80·9	80·8	80·9	81·4	82·5	83·5	84·5	85·1	85·5	85·6	85·6	85·1	84·3	83·5	83·0	82·5	82·3	82·0	81·7	81·4	82·8

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). OCTOBER, 1911.

1	69	71	70	70	70	68	70	70	68	65	64	62	60	60	59	58	58	60	62	66	69	75	77	74	76	66·6
2	76	76	78	80	81	85	87	89	83	68	63	55	55	54	53	54	56	61	79	84	80	85	88	87	87	73·5
3	87	87	87	87	88	92	91	89	87	77	59	60	63	60	52	54	53	60	66	70	82	84	80	74	74	74·3
4	74	77	80	78	80	79	78	79	77	72	71	71	73	71	75	84	82	84	82	82	79	83	85	90	89	78·9
5	89	90	90	87	84	79	78	80	80	76	74	73	70	66	66	59	59	67	73	74	74	74	78	82	85	75·9
6	85	90	91	91	94	95	95	96	96	84	80	73	71	68	61	63	63	70	75	82	85	89	89	90	92	82·5
7	92	94	96	93	92	90	91	92	92	90	88	91	88	84	82	84	89	92	92	93	92	91	93	89	93	90·4
8	93	95	96	93	95	94	95	95	96	94	90	77	74	67	66	67	65	72	77	79	83	82	86	86	87	84·0
9	87	86	88	92	92	94	87	82	75	69	65	60	60	57	58	58	63	68	73	73	79	82	83	85	86	75·6
10	86	85	89	88	90	88	93	92	85	87	71	69	65	62	61	60	62	62	69	80	78	81	80	80	81	77·5
11	81	82	85	85	84	86	86	86	86	83	81	72	71	65	63	65	66	71	75	79	83	87	87	88	89	79·3
12	89	89	91	91	94	95	93	96	96	94	91	77	69	67	61	62	68	75	86	89	90	93	96	96	95	85·4
13	95	94	95	95	97	96	95	94	98	96	96	95	94	89	89	94	97	97	98	99	99	99	99	99	100	95·9
14	100	98	98	97	99	99	100	99	99	98	97	94	90	91	90	85	87	88	94	90	89	89	90	86	85	93·3
15	85	84	85	85	82	83	81	82	85	83	77	69	72	75	79	85	85	87	89	91	90	89	91	91	88	83·6
16	88	91	90	87	90	88	88	86	86	84	84	81	81	84	80	82	82	80	84	84	89	93	92	88	89	85·9
17	89	90	91	90	90	88	87	85	85	82	81	77	74	73	74	72	75	79	84	86	88	91	95	94	96	84·3
18	96	97	97	96	98	99	97	97	97	97	97	96	96	90	73	73	72	78	78	83	89	92	96	98	94	90·9
19	94	95	95	95	97	96	96	97	94	92	92	86	84	84	84	80	80	84	88	90	93	91	90	92	94	90·4
20	94	96	97	97	94	94	96	92	91	95	96	92	92	82	84	80	79	81	82	87	91	91	89	91	91	90·1
21	91	89	90	91	92	91	92	85	83	80	76	75	79	82	76	81	70	76	83	86	89	92	91	94	89	84·7
22	89	89	90	91	93	95	93	94	94	89	85	72	68	62	71	78	75	88	85	86	82	84	82	79	81	83·8
23	81	80	84	81	85	88	89	87	86	79	70	69	69	68	58	61	66	72	72	*76*	*79*	*80*	82	83	82	76·9
24	82	85	88	88	91	91	94	93	89	87	86	87	89	90	95	89	92	91	92	95	96	95	93	92	91	90·6
25	91	91	92	93	92	93	93	89	91	91	83	75	74	66	61	73	72	75	80	85	85	92	92	89	90	84·1
26	90	92	92	93	95	97	95	94	95	93	92	87	88	93	93	72	68	71	80	76	79	79	79	80	82	86·3
27	82	81	84	82	84	87	94	93	93	90	82	71	64	68	73	73	77	*79*	80	80	82	80	79	75	75	80·4
28	75	72	73	73	75	78	78	78	78	74	69	63	63	54	67	57	58	69	70	76	79	77	82	83	86	71·9
29	86	89	89	86	87	88	87	86	86	86	86	82	77	69	63	*65*	*67*	*69*	70	74	86	91	92	93	93	81·5
30	93	94	91	88	87	85	82	81	79	76	78	75	67	77	77	86	91	83	80	68	76	82	79	77	81	81·1
31	81	80	81	82	83	87	87	88	84	75	72	66	64	61	60	63	76	79	79	82	83	83	87	87	87	78·0
Mean ...	86·8	87·4	88·5	87·9	88·9	89·3	89·3	88·6	87·5	84·1	80·5	75·9	74·3	72·2	71·1	71·5	72·7	76·4	79·9	82·1	84·5	86·3	87·2	86·8	87·4	82·5
Normals 1886 1910.	90·0	89·9	90·7	90·6	91·3	91·1	91·3	90·6	89·3	85·9	82·5	78·2	75·2	73·3	72·2	72·8	75·0	79·1	83·1	85·2	87·3	87·6	88·6	89·1	90·0	84·6

METEOROLOGICAL OFFICE OBSERVATORIES.

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Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** OCTOBER, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE* and TEMPERATURE.† OCTOBER, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0001	·9958	82·1	73·6	9	·0051	·9996	80·9	73·8	17	·9977	·9938	85·7	80·1	25	·9643	·9598	81·4	73·9
2	·9958	·9817	82·0	72·5	10	**·0079**	·0051	84·2	71·5	18	·9938	·9913	**87·2**	80·2	26	·9638	**·9522**	77·5	74·1
3	·9913	·9827	84·6	77·5	11	·0058	·9978	85·2	69·8	19	·9918	·9837	84·2	80·4	27	·9750	·9542	78·7	73·6
4	·9966	·9898	82·7	77·9	12	·9978	·9900	84·0	71·7	20	·9837	·9772	86·2	82·4	28	·9910	·9750	77·3	67·2
5	·9976	·9917	82·8	79·5	13	·9901	·9878	86·4	73·2	21	·9772	·9603	86·3	79·9	29	·9913	·9706	84·8	**65·9**
6	·9974	·9922	84·8	79·6	14	·9982	·9883	86·2	79·1	22	·9615	·9549	84·1	77·4	30	·9761	·9638	85·2	75·9
7	·9951	*·9857*	85·4	77·0	15	·0018	·9980	83·5	79·7	23	·9684	·9615	84·0	78·8	31	·9813	·9737	79·8	74·8
8	·9996	*·9863*	85·6	71·8	16	·0015	·9976	82·8	79·9	24	·9683	·9612	80·9	77·4					
															Mean	—	—	83·4	75·8

TABLE II.

ESKDALEMUIR. OCTOBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted. The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9971	·9969	·9972	·9975	·9977	·9977	·9986	·9988	·9995	·9998	·9991	·9999	·9997	·9995	·9992	·9988	·9984	·9982	·9980	·9980	·9976	·9972	·9967	·9961	·9958	·9982
2	·9958	·9952	·9946	·9941	·9932	·9933	·9931	·9927	·9925	·9919	·9912	·9903	·9898	·9885	·9873	·9859	·9849	·9840	·9832	·9828	·9823	·9818	·9823	·9825	·9827	·9886
3	·9827	·9832	·9840	·9849	·9861	·9867	·9874	·9879	·9883	·9886	·9888	·9888	·9888	·9889	·9890	·9893	·9895	·9899	·9902	·9906	·9905	·9909	·9911	·9911	·9911	·9884
4	·9911	·9908	·9908	·9903	·9902	·9900	·9903	·9908	·9913	·9919	·9918	·9921	·9921	·9922	·9923	·9922	·9924	·9930	·9939	·9945	·9950	·9953	·9959	·9962	·9966	·9925
5	·9966	·9962	·9961	·9962	·9963	·9962	·9967	·9972	·9975	·9971	·9969	·9971	·9961	·9955	·9951	·9944	·9936	·9933	·9929	·9925	·9924	·9923	·9919	·9920	·9922	·9950
6	·9922	·9926	·9931	·9938	·9942	·9942	·9952	·9964	·9970	·9973	·9970	·9971	·9966	·9967	·9965	·9966	·9965	·9963	·9964	·9965	·9965	·9962	·9959	·9957	·9951	·9958
7	·9951	·9942	·9936	·9926	·9919	·9909	·9908	·9904	·9904	·9899	·9890	*·9887*	*·9880*	*·9872*	*·9865*	·9857	*·9857*	*·9857*	*·9858*	*·9858*	*·9858*	·9860	*·9862*	*·9862*	*·9863*	·9887
8	*·9863*	*·9864*	*·9865*	*·9866*	*·9870*	*·9875*	*·9883*	*·9890*	*·9898*	·9911	·9915	·9920	·9924	·9927	·9930	·9935	·9942	·9946	·9959	·9969	·9970	·9987	·9992	·9996	·9996	·9924
9	·9996	·9997	·9997	·9999	·9999	·0000	·0001	·0007	·0009	·0011	·0012	·0014	·0016	·0016	·0019	·0020	·0020	·0022	·0031	·0038	·0042	·0041	·0041	·0045	·0051	·0018
10	·0051	·0055	·0058	·0058	·0058	·0059	·0062	·0069	·0079	·0077	·0077	·0074	·0073	·0067	·0061	·0057	·0058	·0061	·0059	·0061	·0060	·0059	·0059	·0061	·0057	·0063
11	·0057	·0057	·0055	·0050	·0044	·0041	·0038	·0040	·0044	·0040	·0042	·0036	·0028	·0025	·0019	·0012	·0007	·0005	·0003	·0000	·9997	·9993	·9989	·9983	·9978	·0024
12	·9978	·9974	·9967	·9961	·9954	·9949	·9947	·9944	·9940	·9941	·9940	·9937	·9925	·9919	·9914	·9908	·9906	·9903	·9905	·9905	·9908	·9905	·9903	·9901	·9900	·9929
13	·9900	·9900	·9896	·9891	·9890	·9893	·9895	·9898	·9898	·9896	·9891	·9893	·9888	·9885	·9882	·9880	·9878	·9879	·9881	·9881	·9882	·9881	·9882	·9885	·9885	·9888
14	·9885	·9886	·9884	·9885	·9884	·9887	·9888	·9892	·9891	·9899	·9902	·9906	·9906	·9907	·9912	·9918	·9922	·9930	·9937	·9945	·9952	·9958	·9964	·9972	·9980	·9915
15	·9980	·9984	·9986	·9991	·9994	·9997	·0002	·0007	·0011	·0013	·0014	·0016	·0015	·0014	·0013	·0014	·0013	·0014	·0015	·0017	·0017	·0016	·0016	·0014	·0015	·0008
16	·0015	·0014	·0011	·0009	·0004	·0006	·0006	·0005	·0004	·0006	·0002	·0002	·0000	·9996	·9993	·9990	·9988	·9988	·9990	·9990	·9987	·9990	·9984	·9981	·9976	·9998
17	·9976	·9975	·9971	·9967	·9965	·9963	·9964	·9967	·9968	·9969	·9967	·9968	·9966	·9960	·9959	·9953	·9955	·9953	·9953	·9951	·9948	·9945	·9944	·9942	·9938	·9960
18	·9938	·9932	·9927	·9924	·9922	·9921	·9919	·9922	·9924	·9925	·9932	·9930	·9926	·9923	·9920	·9916	·9917	·9917	·9921	·9922	·9922	·9921	·9920	·9918	·9918	·9923
19	·9918	·9915	·9911	·9907	·9903	·9900	·9901	·9897	·9897	·9896	·9894	·9891	·9888	·9880	·9876	·9870	·9867	·9865	·9861	·9858	·9857	·9856	·9850	·9841	·9837	·9882
20	·9837	·9828	·9824	·9818	·9815	·9807	·9802	·9802	·9802	·9803	·9800	·9797	·9795	·9794	·9791	·9789	·9788	·9787	·9789	·9790	·9789	·9790	·9786	·9779	·9772	·9799
21	·9772	·9768	·9759	·9749	·9740	·9731	·9720	·9711	·9705	·9697	·9692	·9680	·9665	·9649	·9632	·9619	·9619	·9617	·9618	·9614	·9615	·9613	·9612	·9608	·9603	·9672
22	·9603	·9597	·9592	·9587	·9584	·9578	·9566	·9565	·9562	·9556	·9555	·9555	·9555	·9554	·9552	·9551	·9554	·9561	·9569	·9574	·9582	·9591	·9600	·9606	·9615	·9573
23	·9615	·9620	·9631	·9634	·9639	·9643	·9648	·9654	·9658	·9661	·9663	·9665	·9667	·9669	·9673	·9674	·9676	·9680	·9683	·9682	·9681	·9680	·9682	·9681	·9683	·9662
24	·9683	·9681	·9683	·9681	·9679	·9677	·9677	·9676	·9676	·9675	·9672	·9666	·9660	·9656	·9650	·9644	·9640	·9638	·9633	·9629	·9626	·9624	·9623	·9618	·9612	·9656
25	·9612	·9608	·9605	·9601	·9601	·9600	·9600	·9603	·9607	·9609	·9615	·9616	·9618	·9622	·9625	·9626	·9629	·9633	·9637	·9639	·9642	·9642	·9642	·9640	·9638	·9620
26	·9638	·9634	·9632	·9627	·9623	·9614	·9613	·9612	·9605	·9600	·9590	·9587	·9581	·9569	·9556	·9544	·9536	·9532	·9527	·9523	·9523	·9528	·9531	·9537	·9542	·9576
27	·9542	·9547	·9556	·9562	·9572	·9583	·9595	·9600	·9608	·9613	·9618	·9630	·9633	·9636	·9645	·9652	·9665	·9677	·9691	·9702	·9713	·9723	·9729	·9738	·9750	·9639
28	·9750	·9757	·9765	·9771	·9778	·9786	·9797	·9807	·9820	·9828	·9836	·9845	·9850	·9854	·9860	·9866	·9870	·9877	·9886	·9891	·9898	·9901	·9906	·9908	·9910	·9841
29	·9910	·9910	·9911	·9911	·9907	·9907	·9907	·9906	·9904	·9901	·9895	·9888	·9876	·9865	·9852	·9837	·9820	·9804	·9791	·9771	·9756	·9737	·9724	·9713	·9706	·9846
30	·9706	·9699	·9692	·9681	·9678	·9673	·9664	·9659	·9659	·9655	·9647	·9640	·9653	·9654	·9662	·9666	·9681	·9697	·9715	·9726	·9739	·9742	·9747	·9756	·9761	·9688
31	·9761	·9764	·9761	·9758	·9757	·9756	·9753	·9750	·9747	·9754	·9756	·9752	·9755	·9752	·9745	·9740	·9753	·9758	·9763	·9776	·9778	·9782	·9791	·9806	·9813	·9762
Mean...	0·9 8546	0·9 8535	0·9 8527	0·9 8510	0·9 8502	0·9 8495	0·9 8506	0·9 8524	0·9 8542	0·9 8549	0·9 8537	0·9 8532	0·9 8508	0·9 8477	0·9 8452	0·9 8423	0·9 8424	0·9 8435	0·9 8458	0·9 8471	0·9 8479	0·9 8485	0·9 8489	0·9 8493	0·9 8495	0·9 8495
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, OCTOBER, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	—	9·8	—	9·4	—	8·5	—	9·8	—	8·5	—	4·5	—	2·2	—	5·4	—	7·6	—	9·4	—	4·5	—	5·8
2	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·9	—	1·3	—	1·8	—	2·2
3	—	7·6	—	8·9	—	8·9	—	7·6	—	5·8	—	5·4	—	7·2	—	7·2	—	8·5	—	8·9	—	8·9	—	9·4
4	—	7·2	—	7·2	—	8·9	—	9·8	—	10·3	—	10·7	—	10·3	—	8·9	—	8·9	—	11·2	—	11·2	—	11·6
5	—	5·4	—	5·8	—	5·8	—	4·9	—	5·4	—	5·4	—	4·9	—	5·4	—	5·4	—	4·5	—	4·0	—	1·8
6	—	9·4	—	10·7	—	9·8	—	8·1	—	8·5	—	4·5	—	3·1	—	3·1	—	6·7	—	6·7	—	7·2	—	8·1
7	—	4·5	—	4·0	—	4·0	—	3·1	—	3·1	—	1·3	—	1·8	—	2·2	—	1·3	—	1·8	—	1·8	—	1·3
8	—	0·0	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	3·6	—	4·9	—	4·0
9	—	3·1	—	3·1	—	4·0	—	3·6	—	3·6	—	3·6	—	4·9	—	5·8	—	7·6	—	7·6	—	7·6	—	6·7
10	—	0·5	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·9	—	2·2	—	2·2	—	3·1	—	4·0	—	3·6
11	—	0·5	—	0·0	—	0·0	—	0·5	—	0·0	—	0·9	—	0·5	—	0·0	—	0·5	—	4·0	—	5·4	—	4·9
12	—	1·3	—	0·5	—	0·5	—	0·0	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	0·5	—	2·7
13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	0·5	—	0·0	—	0·0	—	0·9	—	2·2	—	3·1	—	3·6
14	—	1·8	—	4·5	—	4·0	—	4·0	—	3·1	—	3·1	—	3·1	—	3·6	—	3·6	—	4·5	—	4·5	—	4·5
15	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	5·4	—	5·8	—	4·9
16	—	6·3	—	4·9	—	4·5	—	4·9	—	3·6	—	5·4	—	5·4	—	6·3	—	6·3	—	7·2	—	6·3	—	6·3
17	—	4·5	—	2·7	—	5·8	—	6·3	—	6·7	—	5·8	—	4·0	—	5·8	—	5·4	—	6·7	—	5·8	—	6·3
18	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	0·0	—	0·0	—	0·5	—	0·5
19	—	1·8	—	2·7	—	3·6	—	3·6	—	3·6	—	3·6	—	2·7	—	3·1	—	2·7	—	2·2	—	3·1	—	3·6
20	—	2·7	—	3·1	—	2·7	—	2·2	—	2·7	—	1·8	—	1·3	—	1·3	—	0·9	—	1·3	—	0·9	—	0·9
21	—	0·9	—	0·5	—	0·5	—	3·6	—	3·6	—	4·5	—	5·4	—	6·7	—	7·6	—	8·1	—	8·9	—	8·9
22	—	1·3	—	0·9	—	0·5	—	1·3	—	2·2	—	1·8	—	0·9	—	1·3	—	4·0	—	5·4	—	4·5	—	3·6
23	—	4·0	—	4·0	—	0·9	—	2·2	—	2·7	—	4·0	—	3·6	—	4·5	—	5·8	—	5·8	—	6·3	—	5·4
24	—	4·0	—	4·5	—	4·0	—	3·6	—	4·5	—	2·2	—	0·5	—	0·0	—	0·0	—	0·9	—	0·9	—	3·1
25	—	3·1	—	2·7	—	1·3	—	4·0	—	4·5	—	4·5	—	4·5	—	1·8	—	2·7	—	4·5	—	4·9	—	4·0
26	—	1·8	—	2·2	—	2·7	—	4·5	—	4·5	—	5·8	—	6·7	—	7·2	—	7·2	—	11·2	—	8·9	—	6·3
27	—	10·3	—	9·8	—	8·5	—	8·9	—	7·2	—	6·7	—	7·2	—	8·1	—	7·2	—	8·5	—	9·4	—	8·5
28	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	4·9	—	3·6	—	4·0
29	—	0·0	—	0·5	—	0·0	—	0·5	—	0·5	—	0·5	—	0·9	—	0·0	—	0·0	—	1·8	—	4·5	—	6·3
30	—	12·5	—	12·1	—	14·3	—	13·0	—	13·0	—	11·6	—	7·2	—	4·5	—	5·8	—	5·8	—	8·9	—	8·9
31	—	8·5	—	9·8	—	11·2	—	12·1	—	11·2	—	12·5	—	13·4	—	12·5	—	11·2	—	11·6	—	11·6	—	13·4
Mean ...	—	4·0‡	—	4·1‡	—	4·2‡	—	4·4‡	—	4·3‡	—	4·0‡	—	3·9‡	—	4·0‡	—	4·2§	—	5·2	—	5·3	—	5·3
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.
† No record. ‡ Mean for 28 days only. § Mean for 29 days only.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. OCTOBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·25
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	—	—	0·76
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	1·78	—	1·78	0·76	—	—	—	1·02	—	0·25	6·35
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	0·51
20	—	—	—	—	—	—	—	—	—	—	—	—	1·27	1·52	0·76	3·30	—	—	—	—	—	—	—	—	6·85
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	1·27	—	—	—	—	—	0·25	—	0·51	0·51	3·81	1·52	0·51	—	—	—	—	—	—	8·38
24	—	—	—	—	—	—	—	—	—	2·54	1·27	1·27	1·27	1·02	—	—	—	—	—	—	—	—	—	—	7·37
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51	0·51	0·25	0·76	0·25	0·76	1·78	0·76	1·02	7·11
27	0·25	—	0·25	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·75
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·02	1·27	1·52	2·54	3·05	2·29	3·30	5·08	5·08	3·81	1·27	30·48
30	2·29	2·79	3·05	3·30	2·54	2·54	6·35	3·81	2·79	1·52	2·79	4·57	0·51	—	2·29	1·52	0·51	—	0·51	1·02	—	0·51	0·25	—	45·46
31	—	0·51	0·51	0·25	0·25	0·25	0·51	0·51	1·27	2·29	1·02	3·81	1·27	—	0·25	0·76	0·25	0·25	—	0·76	—	—	0·76	—	15·48
Sum ...	2·54	3·30	3·81	3·55	2·79	4·82	6·86	4·32	4·06	6·35	5·08	9·90	4·57	4·83	7·37	11·42	7·11	4·82	3·56	5·84	5·84	9·40	5·58	2·54	130·26
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* OCTOBER, 1911.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
—	4·5	—	4·0	—	3·6	—	3·1	—	2·2	—	1·3	—	0·9	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	4·5	1
—	2·7	—	3·1	—	3·6	—	3·6	—	4·5	—	2·7	—	0·9	—	0·9	—	0·5	—	5·4	—	4·5	—	6·7	2·1	2
—	8·9	—	8·5	—	7·6	—	9·8	—	8·1	—	5·4	—	6·3	—	6·7	—	7·2	—	6·7	—	7·2	—	7·2	7·7	3
—	11·2	—	11·2	—	11·2	—	10·3	—	8·9	—	8·1	—	5·8	—	6·7	—	5·4	—	5·4	—	5·8	—	5·8	8·9	4
—	1·8	—	2·2	—	1·3	—	0·9	—	0·5	—	0·5	—	0·5	—	2·7	—	4·9	—	9·8	—	11·2	—	10·7	4·4	5
—	7·2	—	8·1	—	7·2	—	6·3	—	6·3	—	4·9	—	4·5	—	4·5	—	4·0	—	3·1	—	3·1	—	4·5	6·2	6
—	1·3	—	2·2	—	1·3	—	0·9	—	0·0	—	1·3	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	1·6	7
—	4·5	—	4·5	—	5·8	—	5·8	—	7·2	—	6·7	—	6·3	—	6·3	—	5·8	—	4·5	—	3·1	—	3·1	3·2	8
—	7·2	—	6·3	—	5·8	—	4·9	—	4·0	—	2·7	—	2·2	—	3·6	—	4·0	—	1·8	—	0·5	—	1·3	4·4	9
—	4·0	—	4·9	—	5·4	—	4·9	—	1·8	—	2·7	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	1·8	10
—	4·9	—	4·5	—	4·5	—	2·2	—	0·9	—	0·5	—	0·9	—	0·9	—	0·5	—	0·5	—	0·9	—	1·3	1·7	11
—	3·6	—	4·0	—	3·1	—	0·9	—	0·9	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·8	12
—	3·1	—	2·7	—	3·1	—	2·2	—	3·6	—	4·5	—	4·9	—	5·8	—	6·3	—	6·3	—	4·5	—	3·1	2·5	13
—	4·0	—	3·6	—	3·1	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	?	14
—	4·5	—	4·5	—	4·5	—	3·6	—	4·5	—	4·9	—	4·9	—	4·5	—	4·5	—	4·9	—	5·4	—	6·3	?	15
—	5·8	—	5·4	—	6·3	—	5·8	—	6·3	—	5·8	—	4·0	—	4·0	—	3·6	—	4·0	—	0·9	—	4·5	5·2	16
—	7·2	—	6·7	—	5·8	—	5·4	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	?	17
—	0·5	—	0·0	—	0·0	—	0·0	—	1·3	—	2·2	—	4·5	—	4·0	—	4·5	—	4·5	—	4·9	—	2·2	?	18
—	3·6	—	3·1	—	2·7	—	3·6	—	2·2	—	3·1	—	3·6	—	2·2	—	2·2	—	2·2	—	3·1	—	4·5	3·1	19
—	2·2	—	1·8	—	1·3	—	2·7	—	2·7	—	1·3	—	1·3	—	5·4	—	4·9	—	4·5	—	3·1	—	1·3	2·3	20
—	8·9	—	10·3	—	8·9	—	7·6	—	3·6	—	2·7	—	1·8	—	0·9	—	0·0	—	2·2	—	4·0	—	3·1	4·7	21
—	2·2	—	3·6	—	3·1	—	3·1	—	2·7	—	1·8	—	1·8	—	1·8	—	1·3	—	0·9	—	2·7	—	3·1	2·3	22
—	5·8	—	7·6	—	7·2	—	7·6	—	6·3	—	6·7	—	6·3	—	5·8	—	6·7	—	7·6	—	5·8	—	3·6	5·3	23
—	1·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·9	—	0·5	—	0·9	—	1·8	—	3·1	—	3·1	1·8	24
—	4·0	—	3·6	—	2·2	—	1·3	—	2·2	—	3·1	—	3·1	—	3·1	—	0·9	—	0·9	—	2·2	—	1·3	2·9	25
—	8·1	—	9·8	—	8·9	—	8·5	—	8·1	—	9·4	—	8·9	—	8·9	—	8·9	—	10·3	—	10·3	—	11·2	7·5	26
—	9·8	—	8·5	—	8·9	—	7·6	—	7·6	—	†	—	†	—	†	—	†	—	†	—	†	—	†	?	27
—	3·6	—	3·1	—	1·8	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	?	28
—	6·3	—	6·3	—	6·7	—	7·2	—	7·6	—	6·3	—	5·4	—	6·3	—	7·6	—	12·5	—	13·0	—	13·9	4·8	29
—	8·5	—	9·4	—	13·4	—	10·3	—	9·4	—	7·6	—	10·7	—	9·8	—	8·1	—	10·3	—	9·4	—	7·2	10·0	30
—	14·3	—	17·9	—	19·2	—	15·7	—	13·0	—	15·2	—	13·0	—	12·1	—	9·8	—	9·8	—	6·7	—	8·9	12·4	31
—	5·3	—	5·5	—	5·4	—	4·9‖	—	4·48	—	4·0‡	—	3·8‡	—	3·9‡	—	3·7‡	—	4·3‡	—	4·2‡	—	4·2‡	4·4	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

were obtained, does not record the direction of the wind.
‖ Mean for 30 days only.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. OCTOBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	·8	1·0	1·0	1·0	1·0	·8	1·0	·9	·8	·7	·2	—	—	—	9·2	
2	—	—	—	·4	1·0	·9	·1	—	—	—	—	—	—	—	—	—	—	2·4	
3	—	—	—	·3	·7	·8	·9	1·0	·9	·9	·9	·9	·9	·7	—	—	—	8·9	◠ at times.
4	—	—	—	—	·1	·3	1·0	·6	·1	·1	·9	·5	·6	·6	—	—	—	4·8	
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6	—	—	—	·1	·4	·5	·1	·5	·4	·4	1·0	·7	·2	·2	—	—	—	4·5	
7	—	—	—	—	—	—	·3	·2	·4	·4	·1	·2	—	—	—	—	—	1·6	
8	—	—	—	·5	1·0	·3	—	·2	·4	·2	·3	—	—	—	—	—	—	2·9	
9	—	—	—	—	—	·7	1·0	·9	·2	·8	—	·2	·1	—	—	—	—	3·9	
10	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	—	9·0	⊞ 19h. 30m.–22h.
11	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	8·8	[.
12	—	—	—	—	—	—	—	—	·5	·7	·2	—	—	—	—	—	—	1·4	
13	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	·6	·6	·7	—	—	—	—	7·1	
14	—	—	—	—	·2	·9	1·0	1·0	·9	·9	·1	—	—	—	—	—	—	5·0	
15	—	—	—	—	·1	·6	—	—	—	—	—	—	—	—	—	—	—	0·7	
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	—	—	—	—	·4	1·0	1·0	1·0	·9	1·0	1·0	·9	·1	—	—	—	—	7·3	
18	—	—	—	—	—	—	—	·1	1·0	1·0	·6	·8	·6	—	—	—	—	4·1	⊕ 15h. 15m.–16h. 30m.; sun pillar
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Air very humid. [16h. 30m.–17h. 45m.;
20	—	—	—	—	—	—	·1	·2	—	—	—	—	—	—	—	—	—	0·3	Air very humid. [⊞ 18h. 30m.–20h. 30m.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	·6	·5	—	—	—	—	·2	·5	·2	—	—	—	—	2·0	
23	—	—	—	—	—	·3	—	—	·2	·3	—	—	—	—	—	—	—	0·8	
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Air very humid.
25	—	—	—	—	—	—	·7	·8	·7	·1	—	—	—	—	—	—	—	2·3	
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	·1	—	—	·5	1·0	·6	·9	—	—	—	—	3·1	Shower of granular snow at 21h. 5m.
28	—	—	—	—	·6	·8	·1	—	·2	—	—	·3	·4	—	—	—	—	2·4	⌣² P.M.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⌣² A.M.; minimum temperature of
30	—	—	—	—	—	—	—	—	—	—	—	·1	·1	—	—	—	—	0·2	▲ at 15h. [month 65°·9 at 2h. 25m.
31	—	—	—	—	—	—	·4	·3	·6	·6	·5	·3	—	—	—	—	—	2·1	✳ in afternoon.
	—	—	—	2·1	7·5	11·6	10·4	10·9	10·9	11·9	10·3	9·4	7·5	2·3	—	—	—	94·8	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE† IN DEGREES ABSOLUTE,—DRY-BULB. OCTOBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	75·3	75·5	75·5	75·4	75·7	75·2	75·0	75·3	77·7	78·4	79·5	80·3	80·3	81·4	81·3	81·9	82·0	79·1	76·1	75·9	75·1	73·7	74·1	73·6	74·6	77·2
2	74·6	74·2	74·2	74·5	74·6	73·7	73·0	72·6	75·7	79·3	81·1	81·8	81·1	80·9	81·5	80·2	80·3	80·8	78·9	78·8	77·6	76·7	78·1	77·9	78·0	77·7
3	78·0	78·7	79·5	79·5	79·2	78·1	77·7	78·6	80·2	80·7	81·2	82·8	82·8	83·1	84·1	81·7	82·4	80·9	79·1	78·6	78·9	79·0	79·1	79·1	78·8	80·1
4	78·8	78·3	78·4	78·1	78·0	78·4	78·2	78·5	79·0	79·4	80·3	81·7	81·1	81·6	82·3	81·7	81·3	80·9	80·1	79·1	80·1	79·2	79·6	79·6	80·0	79·8
5	80·0	79·7	79·9	79·9	79·9	79·7	79·8	79·7	80·3	81·0	81·9	81·8	82·2	82·8	82·8	82·5	82·5	81·9	81·5	80·6	81·1	81·0	80·9	80·7	80·3	81·0
6	80·3	80·7	80·9	80·8	80·0	79·9	79·9	80·3	81·0	82·1	82·1	83·4	83·5	83·6	84·6	83·5	82·8	81·5	81·0	80·7	80·8	80·8	80·2	80·5	80·4	81·5
7	80·4	80·7	80·3	80·2	80·2	79·7	79·8	80·2	81·0	81·7	83·4	83·9	84·6	84·9	84·5	84·5	83·7	83·0	81·3	81·2	79·2	77·4	77·5	77·6	77·9	81·2
8	77·9	75·8	74·7	73·5	73·5	72·7	72·2	72·4	75·6	78·5	82·2	83·4	84·1	84·2	84·6	82·9	82·1	81·3	80·9	80·3	79·8	79·7	78·7	78·2	77·3	78·7
9	77·3	76·1	76·2	75·1	74·7	75·3	74·7	75·4	77·1	78·6	80·0	78·9	80·2	79·9	80·0	80·2	79·7	78·8	78·5	78·2	78·4	78·7	78·2	77·9	77·9	77·8
10	77·9	77·4	77·5	77·7	77·4	77·4	77·4	77·8	78·8	80·3	81·3	81·9	82·7	83·4	83·8	84·0	83·3	81·8	79·1	76·3	75·2	74·0	72·4	72·7	71·8	78·7
11	71·8	71·1	70·4	70·1	70·5	70·8	71·8	71·3	73·1	76·8	80·6	83·2	84·1	84·6	85·0	85·0	84·5	81·7	79·6	77·4	77·2	75·9	75·2	76·3	76·4	77·1
12	76·4	76·4	75·0	74·8	74·1	73·5	73·2	72·7	73·0	74·3	78·4	81·0	82·4	83·5	83·5	83·1	83·2	82·1	81·1	80·8	80·8	80·3	79·5	77·8	76·3	78·4
13	76·3	76·1	76·3	76·3	75·1	73·6	74·1	74·2	75·7	80·0	83·5	85·0	85·8	86·1	86·4	86·3	85·3	83·0	81·6	81·2	81·3	81·3	81·2	80·2	79·5	80·3
14	79·5	79·4	79·1	79·2	79·5	79·6	79·7	80·5	81·0	82·3	83·8	84·2	85·2	85·8	85·6	85·2	84·5	84·0	83·6	82·6	79·8	79·1	79·3	79·9	80·4	81·8
15	80·4	81·3	81·5	81·4	80·5	80·3	79·9	80·1	80·3	82·3	82·4	82·4	82·5	82·9	83·1	83·4	83·1	82·8	82·5	82·5	82·4	82·4	82·4	82·9	82·8	82·0
16	82·8	82·5	82·4	81·4	81·7	80·0	80·8	80·9	81·0	81·5	82·4	81·8	81·9	82·4	82·4	82·4	82·2	81·8	81·4	81·1	81·2	81·0	81·3	81·3	81·3	81·6
17	81·3	81·4	81·7	82·1	82·4	82·4	82·3	82·4	82·4	83·5	84·6	85·1	84·6	84·7	85·2	83·7	83·0	82·4	81·9	81·4	80·9	81·3	80·8	80·3	81·0	82·6
18	81·0	81·1	81·3	81·2	81·2	80·8	80·3	80·7	81·3	81·8	82·1	82·9	84·7	85·7	86·8	86·9	86·8	83·8	82·4	83·4	82·5	82·8	82·8	82·2	81·7	82·8
19	81·7	81·5	81·4	80·5	80·7	80·9	80·9	80·6	80·8	81·3	82·5	82·8	83·5	84·1	83·7	83·6	83·3	83·3	83·4	83·4	83·4	83·1	83·2	83·0	82·9	82·4
20	82·9	83 0	83·0	83·1	83·1	82·9	83·0	83·0	83·3	83·8	84·7	86·1	86·1	85·9	85·6	85·9	86·0	85·2	83·9	84·1	84·5	84·1	83·9	82·7	82·4	84·1
21	82·4	81·8	82·4	82·7	83·2	83·2	84·1	84·4	84·9	85·1	85·4	86·1	86·1	85·0	84·8	84·5	82·6	83·0	82·3	82·8	81·7	80·2	80·8	81·5	81·3	83·4
22	81·3	80·0	81·2	80·2	79·3	78·2	78·0	78·0	79·1	80·2	80·3	81·3	81·4	82·4	83·6	84·0	83·1	82·7	82·1	82·1	81·8	80·3	78·3	79·8	80·2	80·8
23	80·2	80·2	80·6	80·3	80·2	79·7	81·5	81·2	81·5	82·6	82·4	83·0	83·7	83·6	83·2	82·9	82·1	81·7	81·4	81·0	81·3	81·2	81·3	80·8	80·7	81·6
24	80·7	80·8	80·6	80·7	80·6	80·3	79·6	77·4	77·5	79·0	79·5	80·2	80·8	80·7	80·7	80·6	80·0	79·6	79·2	79·5	79·1	79·0	78·6	79·1	78·9	79·7
25	78·9	78·5	78·1	78·5	78·5	78·3	78·4	78·0	77·4	78·4	80·3	80·0	80·9	80·6	80·4	80·0	79·6	78·9	77·0	76·8	76·7	75·4	74·5	74·5	74·6	78·2
26	74·6	75·0	75·3	75·1	75·1	74·8	74·8	74·8	74·9	75·2	76·0	76·4	76·3	76·4	76·4	76·4	76·4	76·3	76·7	76·9	77·4	77·2	77·1	76·9	76·5	76·0
27	76·5	76·2	76·1	76·0	76·1	75·6	75·9	75·9	76·2	76·2	77·8	77·8	77·9	78·4	78·2	76·8	76·2	75·0	74·2	73·6	74·0	74·8	74·1	74·5	73·8	75·9
28	73·8	73·6	73·5	73·7	73·3	72·6	71·7	72·4	72·6	74·7	74·7	76·2	76·7	77·0	77·1	77·1	76·1	72·9	71·0	71·3	70·0	68·5	68·5	68·2	67·5	73·1
29	67·5	67·0	67·0	66·8	66·7	66·4	67·8	67·3	69·1	71·4	72·9	74·8	75·7	76·2	76·2	76·3	76·9	77·1	77·4	77·7	79·2	79·8	83·5	84·1	84·8	73·9
30	84·8	84·9	85·0	85·1	85·1	85·1	85·0	84·7	82·9	82·4	82·5	82·5	80·0	79·1	79·3	77·1	78·4	77·9	77·8	78·0	77·3	76·4	76·8	76·5	76·7	80·9
31	76·7	76·3	76·9	77·4	77·3	77·1	77·4	77·3	77·2	76·7	75·7	77·8	77·0	77·6	78·4	78·4	78·0	78·9	79·0	78·6	79·1	79·0	79·6	79·5	79·1	77·8
Mean ...	78·5	78·2	78·3	78·1	78·0	77·6	77·7	77·7	78·4	79·7	80·8	81·6	81·9	82·2	82·4	82·0	81·7	80·8	79·9	79·5	79·3	78·8	78·8	78·7	78·6	79·6
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). OCTOBER, 1911.

1	73	70	69	68	68	68	68	71	64	66	61	61	59	58	56	57	61	72	78	81	85	86	86	88	83	70·0
2	83	88	88	88	91	88	86	81	84	74	65	67	70	78	84	91	95	86	85	86	86	86	86	86	86	83·5
3	86	85	86	85	85	83	83	84	84	84	80	74	67	63	59	74	66	76	77	84	80	79	79	75	78	78·1
4	78	78	78	76	75	75	77	81	86	82	83	73	75	69	67	69	72	74	79	83	79	93	91	92	85	78·7
5	85	91	89	88	87	93	91	94	91	87	81	80	77	75	77	77	77	85	83	85	84	94	95	95	92	86·0
6	92	95	96	97	95	100	97	94	92	88	91	87	85	84	81	87	89	94	92	92	90	90	88	88	87	90·9
7	87	88	88	89	89	90	89	90	89	89	86	81	79	76	82	80	86	91	93	87	96	92	94	96	95	87·9
8	95	92	90	90	91	89	85	86	94	96	79	76	73	69	70	85	94	90	89	89	89	84	88	84	86	86·0
9	86	88	85	88	90	88	83	79	80	76	64	71	71	71	70	70	73	78	82	90	87	78	83	84	84	79·8
10	84	85	93	86	91	90	90	87	79	72	68	68	65	64	64	65	67	77	83	91	92	91	92	94	94	81·0
11	94	96	87	85	90	93	84	91	91	79	85	77	76	75	76	76	73	83	91	91	90	93	96	92	93	86·0
12	93	86	95	89	92	93	97	87	78	76	95	89	79	76	74	79	73	84	90	92	92	92	93	94	97	87·0
13	97	95	93	99	100	99	83	97	93	94	78	70	68	64	66	72	78	82	86	89	88	88	88	93	94	85·8
14	94	98	100	100	100	100	100	100	99	94	85	84	79	77	82	81	87	89	90	91	99	98	98	100	100	92·8
15	100	99	98	99	97	100	99	96	100	91	93	94	92	89	91	88	86	88	89	93	94	95	100	92	89	94·1
16	89	91	87	92	94	94	97	94	97	85	86	93	93	92	94	91	88	87	87	84	87	91	93	93	95	90·9
17	95	99	100	99	96	97	97	98	94	89	81	79	81	80	74	81	86	89	92	92	91	87	88	91	91	89·8
18	91	93	94	95	95	97	98	98	98	89	91	87	81	80	76	76	77	89	93	91	93	93	94	96	97	90·3
19	97	99	100	97	100	99	99	97	97	97	98	95	94	93	99	100	100	99	100	99	100	100	98	99	99	98·3
20	99	99	99	99	99	100	100	100	100	99	97	93	90	92	97	96	95	95	100	100	100	100	100	99	99	97·8
21	99	100	91	97	98	100	99	96	91	87	84	79	77	90	92	93	98	94	93	89	95	96	92	96	94	92·7
22	94	95	93	94	92	94	97	94	93	92	98	98	96	94	87	86	91	94	92	96	95	93	94	90	91	93·4
23	91	95	95	96	98	98	97	100	100	97	98	99	86	85	89	87	98	95	96	92	93	94	96	93	94	94·5
24	94	97	96	94	95	97	87	99	100	100	100	100	99	100	94	96	95	93	96	87	93	92	92	82	81	94·6
25	81	88	91	90	86	89	88	89	91	86	75	70	73	73	75	72	74	74	86	87	85	90	87	89	86	83·0
26	86	99	89	84	79	79	83	92	91	92	88	85	89	90	91	94	94	95	94	96	95	93	95	96	98	90·6
27	98	94	92	94	92	92	90	89	79	77	72	66	70	68	68	79	76	86	83	89	86	86	87	87	86	83·1
28	86	86	85	89	85	81	82	79	77	75	80	75	77	75	71	67	73	75	74	71	69	70	65	72	69	76·3
29	69	68	76	71	80	72	77	77	77	83	88	74	81	88	93	94	98	98	99	97	98	100	100	100	100	86·4
30	100	100	100	100	100	98	99	100	88	93	97	93	91	84	89	95	85	87	86	83	85	90	85	86	87	92·0
31	87	88	92	89	88	90	91	90	93	92	92	86	89	89	81	92	90	84	84	89	85	85	85	89	87	88·4
Mean ...	89·8	91·1	90·8	90·5	90·9	91·2	90·1	90·6	89·4	86·5	84·5	81·4	80·1	79·4	79·6	82·3	83·7	86·5	88·5	89·2	89·7	90·3	90·6	90·7	90·2	87·4
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** NOVEMBER, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.
Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE* and TEMPERATURE†. NOVEMBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0205	·0102	84·5	81·1	9	·0080	·9933	82·4	78·9	17	·9856	**·9778**	81·4	77·3	25	·0115	·0095	80·9	79·5
2	·0133	·0095	83·9	80·9	10	·0081	·0011	81·7	75·6	18	·9917	·9811	81·1	78·7	26	·0184	·0109	80·4	75·5
3	·0118	·9957	86·0	82·1	11	·0011	·9881	84·1	78·7	19	·9977	·9917	82·0	78·8	27	·0178	·0080	79·0	74·1
4	·0082	·9893	**86·8**	82·9	12	·0027	·9830	81·9	79·6	20	·0082	·9974	81·5	77·0	28	·0162	·0047	81·8	74·9
5	·0057	·9916	84·6	78·8	13	·0153	·0027	84·1	80·7	21	·0082	·0032	79·3	75·6	29	**·0213**	·0108	84·0	76·0
6	·0131	·0049	82·9	79·6	14	·0086	·9989	86·1	84·1	22	·0074	·0021	78·8	**73·9**	30	·0154	·0081	84·5	79·5
7	·0107	·9952	84·3	78·9	15	·9994	·9906	85·1	82·8	23	·0125	·0071	78·9	76·0					
8	·9979	·9929	80·4	76·5	16	·9987	·9856	85·0	80·2	24	·0117	·0088	80·7	75·2	Mean.	—	—	82·6	78·4

VALENCIA. TABLE II. NOVEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0205	·0201	·0199	·0197	·0193	·0187	·0184	·0181	·0179	·0180	·0174	·0163	·0158	·0145	·0143	·0134	·0130	·0123	·0117	·0113	·0109	·0107	·0106	·0105	·0104	·0153
2	·0104	·0103	·0102	·0102	·0098	·0097	·0098	·0099	·0106	·0106	·0108	·0113	·0114	·0115	·0116	·0117	·0120	·0125	·0130	·0131	·0131	·0130	·0128	·0126	·0118	·0114
3	·0118	·0106	·0095	·0086	·0073	·0062	·0045	·0035	·0024	·0016	·0003	·9995	·9975	·9963	·9962	·9959	·9977	·9986	·9997	·0014	·0022	·0035	·0037	·0047	·0053	·0025
4	·0053	·0054	·0062	·0065	·0070	·0073	·0075	·0075	·0080	·0080	·0079	·0068	·0051	·0036	·0025	·9997	·9978	·9946	·9924	·9905	·9895	·9900	·9902	·9910	·9916	·0010
5	·9916	·9921	·9925	·9926	·9936	·9942	·9943	·9951	·9966	·9967	·9986	·9988	·9997	·0008	·0010	·0013	·0029	·0029	·0031	·0038	·0041	·0051	·0046	·0048	·0053	·9991
6	·0053	·0052	·0055	·0057	·0063	·0069	·0080	·0087	·0095	·0104	·0109	·0121	·0124	·0128	·0129	·0130	·0130	·0129	·0130	·0131	·0129	·0126	·0119	·0113	·0107	·0104
7	·0107	·0101	·0097	·0094	·0089	·0084	·0076	·0067	·0061	·0052	·0039	·0026	·0007	·9982	·9961	·9954	·9955	·9959	·9971	·9974	·9983	·9980	·9982	·9983	·9975	·0022
8	·9975	·9973	·9971	·9962	·9966	·9972	·9978	·9975	·9975	·9978	·9969	·9963	·9958	·9952	·9945	·9942	·9941	·9939	·9934	·9934	·9934	·9929	·9935	·9934	·9933	·9955
9	·9933	·9936	·9944	·9956	·9972	·9988	·9998	·0012	·0022	·0027	·0032	·0037	·0040	·0041	·0041	·0048	·0056	·0059	·0062	·0065	·0071	·0070	·0075	·0080	·0080	·0027
10	·0080	·0081	·0078	·0077	·0075	·0077	·0077	·0077	·0078	·0081	·0081	·0080	·0075	·0071	·0063	·0058	·0056	·0055	·0051	·0048	·0039	·0035	·0026	·0019	·0011	·0063
11	·0011	·0000	·9987	·9979	·9971	·9964	·9959	·9960	·9961	·9960	·9956	·9961	·9960	·9954	·9950	·9947	·9939	·9936	·9930	·9921	·9918	·9910	·9902	·9892	·9881	·9949
12	·9881	·9876	·9865	·9855	·9845	·9838	·9832	·9834	·9854	·9872	·9882	·9894	·9901	·9908	·9917	·9928	·9939	·9949	·9956	·9968	·9975	·9988	·9997	·0013	·0027	·9910
13	·0027	·0039	·0049	·0060	·0072	·0082	·0095	·0103	·0115	·0128	·0137	·0145	·0148	·0149	·0152	·0148	·0153	·0150	·0145	·0137	·0118	·0106	·0093	·0081	·0073	·0111
14	·0073	·0069	·0069	·0069	·0069	·0070	·0072	·0074	·0076	·0081	·0082	·0084	·0076	·0075	·0066	·0057	·0052	·0044	·0039	·0033	·0030	·0020	·0009	·9997	·9989	·0056
15	·9989	·9977	·9958	·9943	·9937	·9920	·9919	·9911	·9908	·9917	·9925	·9929	·9930	·9922	·9915	·9909	·9912	·9930	·9946	·9963	·9977	·9982	·9991	·9994	·9987	·9942
16	·9987	·9982	·9982	·9980	·9978	·9976	·9977	·9979	·9980	·9984	·9982	·9981	·9979	·9974	·9966	·9959	·9951	·9941	·9933	·9922	·9908	·9900	·9890	·9872	·9856	·9954
17	·9856	·9841	·9832	·9830	·9827	·9810	·9802	·9783	·9780	·9795	·9806	·9813	·9816	·9811	·9808	·9806	·9808	·9812	·9815	·9818	·9818	·9819	·9821	·9820	·9818	·9814
18	·9818	·9815	·9812	·9818	·9821	·9824	·9834	·9840	·9850	·9856	·9863	·9869	·9871	·9872	·9872	·9877	·9887	·9892	·9901	·9902	·9908	·9911	·9914	·9914	·9917	·9866
19	·9917	·9919	·9918	·9923	·9922	·9924	·9923	·9923	·9927	·9927	·9931	·9932	·9934	·9936	·9937	·9939	·9940	·9945	·9953	·9957	·9963	·9967	·9972	·9974	·9976	·9939
20	·9976	·9977	·9976	·9979	·9983	·9990	·9994	·0000	·0010	·0020	·0027	·0035	·0041	·0041	·0043	·0047	·0054	·0060	·0064	·0068	·0070	·0074	·0078	·0080	·0082	·0031
21	·0082	·0080	·0080	·0075	·0076	·0075	·0074	·0070	·0071	·0075	·0075	·0075	·0068	·0063	·0056	·0051	·0048	·0044	·0043	·0041	·0041	·0041	·0036	·0036	·0032	·0060
22	·0032	·0029	·0027	·0025	·0022	·0022	·0022	·0024	·0028	·0032	·0039	·0041	·0041	·0040	·0040	·0040	·0045	·0050	·0060	·0064	·0067	·0074	·0074	·0073	·0074	·0043
23	·0074	·0074	·0075	·0072	·0077	·0079	·0086	·0093	·0094	·0099	·0100	·0103	·0100	·0101	·0103	·0109	·0113	·0117	·0121	·0120	·0123	·0122	·0121	·0118	·0117	·0101
24	·0117	·0116	·0111	·0111	·0108	·0108	·0109	·0109	·0113	·0112	·0113	·0111	·0108	·0102	·0095	·0089	·0095	·0094	·0097	·0099	·0099	·0105	·0104	·0101	·0100	·0105
25	·0100	·0100	·0098	·0095	·0098	·0096	·0098	·0105	·0105	·0108	·0105	·0106	·0108	·0106	·0101	·0103	·0100	·0106	·0109	·0109	·0113	·0111	·0113	·0112	·0113	·0105
26	·0113	·0112	·0113	·0113	·0112	·0115	·0120	·0131	·0137	·0143	·0148	·0150	·0154	·0155	·0157	·0159	·0162	·0170	·0174	·0180	·0184	·0182	·0180	·0180	·0177	·0149
27	·0177	·0174	·0167	·0164	·0158	·0150	·0148	·0146	·0141	·0139	·0133	·0127	·0117	·0111	·0106	·0100	·0095	·0094	·0093	·0092	·0089	·0091	·0084	·0082	·0081	·0122
28	·0081	·0081	·0077	·0074	·0072	·0070	·0065	·0065	·0064	·0066	·0067	·0069	·0064	·0061	·0058	·0052	·0052	·0058	·0080	·0099	·0111	·0129	·0141	·0152	·0162	·0081
29	·0162	·0176	·0184	·0189	·0192	·0197	·0202	·0211	·0213	·0211	·0211	·0213	·0207	·0192	·0187	·0174	·0164	·0165	·0165	·0154	·0136	·0127	·0122	·0117	·0108	·0177
30	·0108	·0099	·0094	·0088	·0087	·0088	·0090	·0091	·0108	·0119	·0130	·0136	·0141	·0140	·0139	·0140	·0140	·0141	·0148	·0155	·0143	·0147	·0141	·0136	·0129	·0123
Mean...	1·0375	1·0355	1·0334	1·0321	1·0321	1·0316	1·0325	1·0337	1·0374	1·0412	1·0431	1·0443	1·0421	1·0385	1·0354	1·0329	1·0340	1·0349	1·0373	1·0385	1·0382	1·0390	1·0380	1·0370	1·0350	1·0366
Normals 1871–1910.	1·1179	1·1165	1·1148	1·1138	1·1121	1·1118	1·1121	1·1128	1·1155	1·1179	1·1196	1·1206	1·1186	1·1159	1·1135	1·1118	1·1128	1·1138	1·1159	1·1172	1·1182	1·1186	1·1193	1·1182	1·1182	1·1158

(23496—24.) Wt. 41466—310. 250. 4/12. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N) AND VELOCITY (V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. NOVEMBER, 1911.

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	21	5·4	21	4·0	20	3·1	20	4·0	19	3·1	19	4·0	17	4·0	16	4·5	19	5·4	17	5·4	18	4·9	18	6·3
2	21	7·2	24	7·2	21	6·7	22	7·2	22	8·1	21	7·6	21	6·7	22	6·3	22	9·4	22	9·4	22	9·8	22	11·2
3	18	5·4	16	5·4	16	6·7	16	6·7	16	8·1	16	8·1	17	9·4	16	9·4	16	10·3	16	9·4	16	9·8	16	10·3
4	22	10·7	22	12·5	22	11·2	22	9·8	21	10·3	21	8·5	21	6·3	21	7·6	21	6·3	17	4·5	20	3·6	17	4·9
5	20	19·2	21	17·9	21	17·9	21	17·0	22	17·9	21	19·7	22	19·2	22	19·2	21	19·2	22	17·0	22	15·7	22	17·9
6	22	15·7	22	16·5	22	15·7	24	15·7	23	15·7	25	14·3	25	10·7	25	11·6	24	13·0	24	13·0	24	13·0	24	13·0
7	21	6·7	21	5·4	20	4·5	17	4·0	19	4·5	20	4·9	19	3·1	16	3·6	16	5·4	16	6·3	16	6·7	16	7·6
8	21	10·7	21	11·6	20	10·3	20	13·0	25	12·5	21	12·1	21	8·9	23	9·4	21	8·1	20	9·4	20	8·5	21	10·3
9	22	6·3	31	9·4	31	12·1	31	12·5	31	13·0	31	11·6	31	11·6	30	11·2	29	12·1	28	10·7	29	11·6	31	11·6
10	31	4·5	29	3·1	31	4·5	29	3·1	29	1·8	28	3·1	31	1·8	—	1·3	—	0·9	—	0·9	—	1·3	—	0·9
11	12	9·4	12	9·4	12	9·8	13	8·1	12	8·5	12	8·1	11	8·1	10	8·5	8	9·4	8	8·1	9	9·4	9	8·5
12	—	1·3	6	1·8	—	0·9	8	2·2	6	3·6	8	2·7	8	3·6	25	13·0	25	16·1	25	15·2	25	12·5	24	13·0
13	25	13·4	25	13·9	25	13·0	25	13·0	25	11·6	25	12·1	26	10·3	25	8·5	23	8·1	24	6·3	21	6·7	21	5·4
14	16	10·3	25	8·9	15	8·1	15	8·5	16	8·1	16	9·4	16	8·5	15	8·5	16	8·5	16	7·6	16	9·4	16	9·4
15	15	7·6	15	6·7	15	7·2	14	5·4	12	4·9	15	4·9	15	5·4	15	4·0	20	5·4	21	4·5	19	5·4	18	5·4
16	20	8·1	20	6·7	20	7·6	21	8·1	21	9·4	21	8·9	21	10·3	21	9·8	21	10·3	21	10·3	21	10·3	21	10·3
17	16	4·5	20	5·4	20	5·4	20	4·0	20	2·2	—	1·3	31	4·9	31	9·4	30	5·4	24	6·3	23	10·7	22	10·3
18	28	3·1	28	4·5	5	4·5	4	5·8	3	5·4	3	5·8	2	7·2	1	7·6	1	8·1	32	8·9	1	8·1	30	8·5
19	30	10·7	31	11·6	29	10·3	30	10·3	31	10·3	29	8·9	29	9·4	30	8·1	30	8·1	31	6·7	30	6·7	29	7·6
20	31	6·7	1	4·9	32	5·4	1	4·5	1	3·1	32	3·1	32	1·8	—	0·0	—	0·9	—	0·5	6	3·1	6	3·6
21	4	1·8	6	1·8	2	4·0	4	3·1	4	3·1	4	4·0	4	4·5	4	2·2	—	0·9	8	1·8	7	2·2	2	4·0
22	5	4·0	5	1·8	—	0·9	9	2·2	5	4·5	4	1·8	4	3·1	4	1·8	3	3·6	4	3·1	6	4·9	6	6·3
23	—	1·3	8	3·1	7	6·7	7	4·9	8	5·8	3	5·4	4	4·9	4	6·7	4	7·2	4	7·2	4	5·4	4	6·3
24	6	3·1	6	3·1	—	1·3	—	1·3	6	2·2	6	2·2	4	2·2	2	1·8	6	2·2	6	3·1	7	4·9	5	4·5
25	7	4·9	7	4·5	11	7·6	11	5·8	12	7·6	12	8·5	7	5·4	6	4·9	10	6·3	11	6·7	11	8·5	11	6·7
26	9	7·2	7	5·4	7	4·9	8	5·8	8	4·9	6	4·5	8	5·4	9	3·1	9	1·8	10	2·7	8	3·1	8	4·9
27	8	3·1	5	1·8	—	0·9	5	2·7	5	5·4	5	5·4	5	1·8	—	0·9	—	0·9	—	0·9	5	2·7	—	0·9
28	4	1·8	8	1·8	13	3·1	14	3·1	14	2·2	15	4·0	15	4·9	15	4·5	15	5·8	16	5·8	16	6·7	15	6·7
29	—	1·3	—	0·9	19	2·2	19	2·7	19	2·2	—	1·3	—	1·3	13	2·2	12	6·3	12	6·7	13	8·1	13	8·5
30	15	11·6	15	10·3	15	10·3	15	10·3	15	9·4	16	8·5	16	8·9	16	6·7	16	5·8	16	4·0	18	3·1	20	4·0
Mean ...	—	6·9	—	6·7	—	6·9	—	6·8	—	7·0	—	6·8	—	6·5	—	6·5	—	7·0	—	6·7	—	7·2	—	7·6
Normals 1881–1910.	—	5·8	—	5·6	—	5·7	—	5·6	—	5·7	—	5·6	—	5·7	—	5·6	—	5·7	—	5·7	—	5·6	—	6·3

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second the direction is omitted, the record not being trustworthy in very light airs.

Days.	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	18	8·1	18	7·2	16	6·7	19	8·1	18	6·7	18	8·1	18	7·6	19	8·9	21	7·2	21	5·4	22	8·1	21	6·7	6·0	1
2	21	8·5	22	8·1	22	8·5	22	8·5	23	8·1	22	7·6	22	4·5	22	4·5	18	2·7	17	3·1	18	3·1	18	4·5	7·0	2
3	16	11·6	18	9·8	19	9·8	22	9·4	25	6·7	25	8·1	23	9·4	23	11·2	23	10·3	22	11·6	22	11·6	21	11·2	9·2	3
4	16	5·4	16	7·2	16	7·6	16	8·9	16	8·9	16	10·7	16	10·3	18	10·3	20	13·0	20	14·3	21	17·4	21	17·4	9·5	4
5	23	16·1	23	15·7	22	17·4	22	17·9	21	10·3	22	15·2	21	12·5	21	12·5	24	12·1	22	13·4	23	15·2	23	15·7	16·3	5
6	25	9·4	23	11·6	22	12·1	23	10·3	21	9·8	22	8·9	21	8·1	21	6·7	21	4·5	19	6·7	20	5·4	20	4·5	11·1	6
7	16	8·1	18	9·4	20	10·7	21	13·4	21	14·3	24	13·4	22	12·1	21	10·3	21	9·8	20	11·2	20	6·7	20	10·3	8·0	7
8	21	8·9	21	8·1	22	9·4	21	7·2	22	7·6	21	8·5	21	6·3	21	5·4	22	3·6	25	4·5	24	5·4	22	6·3	8·6	8
9	29	10·7	28	10·7	28	10·7	30	10·3	30	9·4	30	9·8	30	9·4	31	8·9	31	8·9	30	8·1	30	6·7	31	5·4	10·1	9
10	—	0·5	—	1·3	14	1·8	14	2·2	14	3·6	13	4·5	12	5·8	13	6·7	13	7·2	12	7·6	12	9·4	12	9·4	3·6	10
11	8	6·7	9	5·8	9	1·8	9	2·2	—	0·9	—	0·9	6	1·8	—	1·3	—	0·9	—	1·3	—	1·3	6	2·7	5·5	11
12	24	15·2	25	16·1	24	16·1	25	15·2	25	15·2	24	14·3	27	16·1	25	15·2	25	16·1	24	14·3	24	15·2	25	13·9	11·2	12
13	21	5·4	20	4·5	17	2·7	16	3·1	16	3·1	16	3·1	16	5·8	14	9·4	14	11·6	14	11·6	15	9·4	15	10·3	8·5	13
14	16	9·4	16	10·3	16	9·8	16	10·3	15	9·8	16	10·3	16	10·3	16	9·4	16	9·4	16	9·4	16	9·8	16	8·1	9·2	14
15	16	5·4	16	6·3	15	4·5	15	5·8	22	9·4	21	10·3	22	11·6	22	10·7	21	13·0	21	8·1	20	5·8	18	5·8	6·8	15
16	21	9·4	21	8·9	20	8·1	20	6·7	20	6·7	18	3·1	15	4·5	16	4·5	17	5·4	20	2·2	16	2·7	16	4·0	7·3	16
17	23	10·3	23	9·4	24	8·5	24	8·1	26	4·9	28	6·3	28	5·4	29	5·8	31	4·9	28	5·4	27	4·5	26	3·6	6·1	17
18	31	9·4	28	8·5	32	11·6	1	10·3	31	11·6	31	12·5	30	12·5	29	11·6	30	11·6	29	11·2	30	11·6	30	11·6	8·8	18
19	29	7·6	30	8·1	31	9·4	28	6·7	30	7·6	1	6·7	1	5·8	32	7·6	32	6·7	31	8·1	30	8·1	29	5·4	8·2	19
20	2	3·1	3	4·5	2	5·4	2	4·9	2	2·7	2	2·2	4	5·4	4	5·4	3	5·8	4	4·5	5	3·1	5	2·7	3·6	20
21	2	4·0	2	4·5	3	4·9	2	4·9	2	3·1	2	1·8	—	1·3	4	2·2	—	0·9	4	1·8	—	1·3	4	2·2	2·8	21
22	5	4·5	2	5·4	3	4·5	4	4·5	2	3·6	3	3·1	3	5·4	3	3·1	3	3·1	5	4·5	4	5·4	2	4·5	3·7	22
23	5	6·7	5	5·8	3	2·2	4	2·2	32	1·8	3	3·1	6	6·7	6	4·9	6	6·7	5	6·3	5	5·8	6	3·1	5·0	23
24	7	3·1	8	3·6	9	7·2	9	3·1	8	2·7	9	3·6	9	2·7	9	3·1	9	1·8	9	4·9	10	5·4	10	5·8	3·3	24
25	10	7·2	10	6·7	10	6·7	9	6·3	9	6·3	10	6·7	9	5·4	10	4·5	8	5·4	9	5·4	8	5·4	9	5·4	6·2	25
26	8	5·4	7	4·5	7	4·5	8	3·1	7	3·6	7	4·0	8	5·4	9	5·4	8	4·5	8	4·5	8	4·9	8	4·5	4·5	26
27	—	1·3	—	0·9	—	1·3	—	0·0	—	0·0	—	0·0	—	1·3	—	1·3	4	1·8	—	1·3	4	1·8	—	1·3	1·7	27
28	15	6·3	15	7·2	15	7·2	15	7·2	16	7·2	24	5·4	23	6·3	25	4·0	25	4·5	25	2·7	25	1·8	—	0·9	4·6	28
29	11	10·3	13	12·1	13	14·8	13	14·3	13	14·3	13	14·3	13	14·3	14	14·3	14	15·2	14	14·3	15	13·0	15	12·5	8·6	29
30	19	3·1	19	3·6	17	3·1	17	2·2	17	3·1	16	2·7	16	2·7	17	3·1	16	3·1	16	4·5	16	5·4	16	4·9	5·6	30
Mean ...	—	7·4	—	7·5	—	7·6	—	7·2	—	6·8	—	7·0	—	7·2	—	7·1	—	7·1	—	7·1	—	7·0	—	6·8	7·0	
Normals 1881–1910.	—	6·4	—	6·4	—	6·4	—	6·1	—	6·0	—	5·9	—	5·9	—	5·9	—	5·8	—	5·9	—	5·9	—	5·9	5·9	

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. NOVEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	0·76	—	—	0·51	—	1·02	0·25	—	—	0·25	0·25	0·51	0·76	1·52	1·27	1·27	4·82	0·76	—	—	—	13·95
2	—	0·51	—	0·25	—	—	—	—	—	—	—	1·02	—	—	—	—	—	—	—	—	—	—	—	—	1·78
3	—	—	—	—	0·25	—	—	—	1·02	1·52	0·76	1·27	1·02	0·76	0·76	—	—	—	—	—	—	—	—	—	7·36
4	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	3·81	2·29	2·03	0·25	0·51	—	—	—	—	9·14
5	—	—	—	—	0·51	—	—	0·25	—	—	0·25	0·25	—	—	—	0·25	—	0·51	—	—	—	0·25	—	0·25	2·52
6	—	0·25	—	0·25	0·25	—	—	0·25	0·25	—	—	—	0·25	—	—	—	—	—	—	—	—	1·02	—	0·25	2·77
7	1·27	—	0·25	5·33	—	—	—	—	—	0·25	—	—	0·76	1·52	—	—	0·25	—	—	—	—	—	—	—	9·63
8	—	—	—	0·25	0·25	0·25	4·06	—	1·02	—	—	—	—	0·76	—	0·25	—	—	—	0·51	—	0·25	0·25	—	7·85
9	—	0·25	0·76	0·25	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·76
10	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	0·25	1·51
11	0·76	0·76	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	0·25	2·27
12	0·51	—	—	0·76	0·51	—	4·57	0·76	0·76	—	0·25	—	0·25	1·27	—	—	—	—	0·25	—	0·25	—	—	—	10·14
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	1·78	2·03	3·30	4·06	5·33	4·06	21·07
14	0·76	1·27	0·51	0·51	0·25	0·25	0·51	2·79	0·25	—	—	0·25	—	—	—	—	1·78	2·29	1·27	0·25	0·25	0·51	5·84	4·57	24·11
15	3·56	3·05	2·29	2·03	2·54	4·06	0·25	0·25	1·52	0·76	—	—	—	—	0·25	0·25	—	0·25	—	—	—	—	—	0·25	21·31
16	—	—	0·51	—	—	—	—	—	—	—	—	0·25	—	—	—	—	0·25	—	—	—	1·52	1·27	0·25	0·25	4·30
17	0·76	0·25	—	—	0·25	4·57	3·81	2·79	0·51	0·25	—	—	—	—	0·25	0·51	0·51	—	—	—	—	0·25	—	—	14·71
18	—	0·51	0·25	—	—	—	—	—	—	0·25	—	0·25	0·76	0·25	—	0·76	0·51	—	0·25	—	—	—	—	—	3·79
19	0·25	—	—	0·51	0·51	—	0·51	0·76	—	0·25	—	0·25	—	—	—	—	0·25	—	—	—	0·25	—	0·76	0·51	4·81
20	0·51	0·51	0·76	1·52	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·80
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	0·25	1·02	0·76	0·25	—	0·76	2·29	3·05	2·29	0·76	—	—	—	—	—	—	—	11·43
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	1·52	6·09	2·54	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10·66
Sum ...	9·90	13·45	8·12	13·18	6·07	9·13	14·72	8·10	7·37	4·54	1·51	3·54	4·05	7·10	4·82	8·88	7·87	7·11	5·07	8·12	6·33	7·86	13·19	10·64	190·67
Normals 1871–1910.	6·75	6·12	6·70	6·17	6·45	5·82	6·83	6·73	5·38	5·46	5·53	5·51	5·31	4·95	5·48	4·67	5·28	5·82	4·97	5·00	5·28	5·77	6·12	5·72	137·82

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. NOVEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and showery.
2	—	—	—	—	—	—	·7	·6	·6	·7	·5	·4	·3	—	—	—	—	3·8	Misty and unsettled-looking to fair; [at 22h.
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋⁰; overcast and ●⁰ intermittent;
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and threatening. [clearing later.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast and ●⁰; wind squally to gale.
6	—	—	—	—	—	—	·8	·8	1·0	1·0	·7	·6	·1	—	—	—	—	5·0	Squally, with ▲ showers, and bright [intervals.
7	—	—	—	—	—	—	—	—	—	—	—	·1	·2	—	—	—	—	0·3	≋⁰ and showery; strong wind P.M.
8	—	—	—	—	—	—	—	·2	·3	·7	·2	·1	·2	—	—	—	—	1·7	Showery, with ▲ and ⊤ A.M.
9	—	—	—	—	—	·2	·2	1·0	·6	·9	·7	·4	—	—	—	—	—	4·0	Cloudy to bright; squally.
10	—	—	—	—	—	1·0	1·0	1·0	1·0	·6	·5	·7	·1	—	—	—	—	5·9	Fair; clear atmosphere.
11	—	—	—	—	—	·8	·9	·9	2	—	—	—	—	—	—	—	—	2·8	Good visibility; fair to cloudy.
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unsettled-looking: ≋⁰ and ●.
13	—	—	—	—	—	·4	·9	·3	·2	·3	·6	—	·1	—	—	—	—	2·8	Fair to dull; ●² after 18h.
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy all day, with ≋⁰ and ●
15	—	—	—	—	—	—	·9	1·0	·6	—	—	—	—	—	—	—	—	2·5	●² early; damp and misty, clearing [a
16	—	—	—	—	—	—	·7	·9	·6	1·0	·6	·9	—	—	—	—	—	4·7	Fair to showery. [little mid-day.
17	—	—	—	—	—	—	·1	·6	·8	·6	·7	·5	—	—	—	—	—	3·3	⚧ at 7h, ●² 6h.–8h., remaining showery.
18	—	—	—	—	—	·5	·3	·5	·3	·1	·3	·2	—	—	—	—	—	2·2	Showery day, with strong wind P.M.
19	—	—	—	—	—	·3	·8	·6	·6	·7	1·0	·2	—	—	—	—	—	4·2	Unsettled, with showers and bright in-
20	—	—	—	—	—	·6	1·0	1·0	1·0	1·0	·9	1·0	·5	—	—	—	—	7·0	●⁰ early; then fine. [tervals.
21	—	—	—	—	—	·1	—	·2	—	·3	·9	1·0	·6	—	—	—	—	3·1	Fair.
22	—	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	—	—	—	7·2	Fine.
23	—	—	—	—	—	·5	·8	·5	·7	·8	·5	·9	·5	—	—	—	—	5·2	Fair.
24	—	—	—	—	—	·5	·4	·3	1·0	·2	·6	·7	—	—	—	—	—	3·7	Fine, but ∞⁰.
25	—	—	—	—	—	—	·5	1·0	·9	·3	—	—	—	—	—	—	—	2·7	Fair to dull and gloomy.
26	—	—	—	—	—	·4	1·0	·5	1·0	·7	—	·4	—	—	—	—	—	4·0	Fine.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⊔; fair but hazy.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋⁰, ●, and overcast.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull; good visibility; strong wind P.M.
30	—	—	—	—	—	—	—	—	—	·5	·9	·2	—	—	—	—	—	1·6	●² at first, then dull to fine.
Total.	—	—	—	—	—	5·9	11·1	12·8	12·8	12·0	10·6	9·3	3·2	—	—	—	—	77·7	
Normals 1881-1910.	—	—	—	0·01	0·70	6·19	9·54	10·49	10·70	10·56	9·45	6·72	1·86	0·01	—	—	—	66·22	

TABLE VI.

VALENCIA. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. NOVEMBER, 1911.

First figure (2 or 3) omitted; in table I the 3 is inserted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	83°·5	82°·5	82°·1	81°·2	81°·7	81°·3	81°·7	81°·8	82°·4	82°·9	83°·1	83°·2	84°·1	84°·2	83°·8	83°·4	83°·3	83°·4	83°·5	83°·8	83°·9	83°·9	83°·6	83°·4	83°·7	83°·0
2	83·7	83·1	82 7	82·1	82·4	82·8	82·6	82·4	81·8	82·9	83·1	83·5	83·0	83·2	82·9	83·5	83·6	83·2	82·6	82·1	82·1	81·5	81·0	81·8	82·2	82·6
3	82·2	83·0	82·6	83·4	83·5	82·9	83·4	83·8	84·2	84·0	84·1	84·2	84·8	85·0	85·2	85·7	85·0	84·7	84·3	84·1	83·9	83·5	83·6	83·5	83·8	84·0
4	83·8	83·5	83·8	84·1	83·4	83·5	83·4	83·3	83·6	83·6	83·8	83·5	84·1	84·6	84·5	84·2	84·1	84·0	84·5	85·5	86·3	86·8	86·5	85·1	84·6	84·3
5	84·6	84·6	83·9	84·0	84·0	81·4	82·8	82·9	81·2	82·4	81·1	82·3	82·1	81·3	82·5	82·8	81·1	80·1	81·4	80·8	80·2	79·8	80·3	80·3	79·3	81·9
6	79·3	80·7	81·2	81·2	81·4	81·7	81·7	81·2	80·6	81·3	81·0	81·7	82·4	82·1	82·9	81·8	82·4	82·1	81·8	81·7	81·4	81·3	82·1	81·2	81·4	81·6
7	81·4	81·3	81·2	81·3	80·7	80·6	81·1	80·9	80·7	82·4	83·1	83·8	84·2	84·1	83·7	82·7	82·8	81·8	81·2	81·2	80·4	79·3	79·6	79·1	80·0	81·6
8	80·0	78·8	79·8	79·0	79·1	79·5	78·1	79·1	78·3	77·8	77·7	78·6	80·2	79·5	79·8	78·5	78·2	79·2	78·8	77·4	77·9	76·5	78·8	78·8	78·4	78·7
9	78·4	79·1	79·9	80·7	80·9	80·7	81·2	80·3	81·2	81·7	81·7	82·3	82·1	82·1	81·2	81·8	81·3	81·7	81·2	81·2	81·1	80·7	80·9	80·5	80·3	81·0
10	80·3	79·6	79·6	80·3	80·2	79·6	80·1	79·4	76·8	75·7	77·3	79·5	80·7	81·5	81·1	81·5	80·4	79·6	80·0	80·2	80·5	80·9	81·2	81·4	81·1	79·9
11	81·1	81·3	81·1	81·2	81·4	81·7	82·2	82·2	82·0	82·2	82·8	82·9	83·2	83·9	84·1	83·9	83·4	82·7	81·8	80·2	79·4	79·5	78·8	78·9	80·6	81·7
12	80·6	80·1	80·1	80·5	81·1	81·0	81·3	81·3	81·0	81·3	81·2	80·9	81·7	81·2	80·4	80·9	81·1	81·5	81·5	80·2	81·1	81·7	81·3	81·8	81·7	81·1
13	81·7	81·7	81·4	81·5	81·5	81·7	81·6	81·4	81·5	81·6	81·2	82·0	82·3	83·0	82·8	82·6	82·4	82·1	82·2	82·5	82·1	82·3	82·7	83·5	84·1	82·1
14	84·1	84·6	85·1	85·2	85·4	85·6	86·0	86·1	85·6	85·7	85·6	85·7	86·0	86·0	85·8	85·7	85·6	85·4	85·2	85·1	85·2	85·1	85·1	85·2	85·0	85·4
15	85·0	85·0	84·9	84·9	84·3	84·5	84·0	83·9	83·8	83·2	82·8	83·8	84·1	84·6	84·5	84·0	83·9	84·5	85·0	84·6	84·3	84·4	83·8	84·3	84·4	84·2
16	84·4	84·9	84·7	84·1	83·4	83·4	82·8	82·9	82·6	82·9	83·3	83·5	83·7	83·2	83·2	83·1	82·3	82·4	80·9	81·7	82·2	82·4	80·7	80·2	80·6	82·8
17	80·6	80·7	80·3	79·9	79·5	79·3	79·5	78·7	77·4	77·5	79·0	80 6	80·9	80·9	80·9	80·9	80·2	79·6	80·2	80·4	80·2	80·0	80·1	79·9	79·9	79·9
18	79·9	80·1	80·2	78·8	78·9	79·6	79·4	80·2	80·3	80·3	80·1	80·1	81·0	80·1	79·8	80·4	79·8	80·7	80·3	79·8	80·2	80·5	80·5	80·5	80·6	80·1
19	80·6	80·2	80·6	80·0	79·8	79·3	80·1	80·2	79·9	80·2	80·1	81·1	81·2	81·2	81·7	81·8	81·2	81·0	80·3	80·9	80·7	80·9	80·7	80·9	80·6	80·6
20	80·6	80·3	80·7	80·6	80·2	80·3	80·5	80·7	79·9	79·1	79·6	80·9	81·3	81·3	81·3	81·1	80·9	80·0	79·6	80·4	79·6	79·2	78·2	77·4	77·0	80·1
21	77·0	76·7	76·8	77·9	76·7	77·1	76·7	77·1	76·3	76·5	77·4	78·1	78·8	78·7	78·9	79·0	78·7	77·6	76·5	76·2	76·5	76·7	76·6	76·0	75·7	77·2
22	75·7	76·1	75·4	74·6	74·2	75·5	74·5	74·4	74·6	75·1	76·3	77·3	78·0	78·2	77·9	77·9	77·6	77·4	76·1	76·8	76·2	75·7	75·9	76·2	77·1	76·2
23	77·1	76·9	77·3	77·9	77·0	77·3	77·2	76·3	76·2	76·2	76·5	77·4	77·7	78·4	78·5	79·9	78·5	78·3	78·5	78·7	78·9	78·4	77·8	77·6	77·1	77·7
24	77·1	76·8	76·4	76·1	75·9	75·9	75·8	75·4	75·7	75·7	76·4	77·5	78·7	79·5	79·9	80·3	80·0	79·8	79·5	79·5	79·5	80·1	80·5	80·4	80·6	78·1
25	80·6	80·8	80·6	80·4	80·3	80·2	80·0	80·2	80·0	80·0	80·2	80·4	80·6	80·7	80·3	80·2	80·0	80·0	80·0	79·9	79·9	79·8	79·9	79·8	79·6	80·2
26	79·6	80·0	79·8	79·7	80·0	80·2	79·8	79·3	79·1	78·8	79·1	79·9	80·0	80·2	79·9	79·9	79·3	78·8	77·7	77·7	77·5	76·5	76·1	76·3	75·5	78·9
27	75·5	75·6	75·7	75·1	75·1	75·7	76·0	75·2	75·6	75·2	76·3	77·7	78·5	79·0	79·0	78·9	78·1	77·5	77·1	76·5	75·4	75·2	74·2	74·6	74·9	76·3
28	74·9	75·2	75·6	76·5	77·1	77·6	79·1	80·0	80·0	80·2	80·4	80·7	80·9	81·2	81·2	81·3	81·3	81·8	81·1	81·5	81·4	81·3	81·3	80·7	79·6	79·8
29	79·6	79·1	77·7	76·4	76·0	76·8	76·8	76·8	76·3	80·1	81·1	81·7	81·8	82·0	82·1	82·3	82·2	82·4	82·6	82·8	82·9	83·4	83·4	83·8	84·0	80·5
30	84·0	84·1	83·5	83·8	84·0	84·2	84·3	84·4	84·1	83·7	83·6	83·5	83·5	83·5	83·7	83·3	82·6	81·7	81·1	80·5	80·4	79·6	79·9	80·4	80·4	82·7
Mean ...	80·6	80·5	80·5	80·4	80·3	80·4	80·5	80·4	80·1	80·3	80·6	81·3	81·7	81·8	81·8	81·8	81·4	81·2	80·9	80·8	80·7	80·6	80·5	80·5	80·5	80·8
Normals 1871–1910	81·3	81·3	81·2	81·2	81·2	81·2	81·1	81·1	81·1	81·3	81·7	82·2	82·5	82·8	82·8	82·7	82·4	82·0	81·8	81·7	81·5	81·4	81·3	81·3	81·2	81·7

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). NOVEMBER, 1911.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	85	89	91	89	92	92	88	88	93	92	88	90	85	83	88	93	95	94	95	95	89	95	97	92	89	90·9
2	89	82	87	89	87	85	82	81	89	84	78	79	80	87	81	81	78	75	79	83	88	86	88	84	84	83·3
3	84	76	76	79	82	90	87	87	82	88	90	93	89	93	96	95	94	90	77	76	77	73	76	74	73	84·1
4	73	74	73	77	82	79	78	82	76	76	77	88	86	79	76	79	85	93	95	96	94	94	90	67	66	81·9
5	66	66	64	72	68	83	69	64	80	72	81	70	68	80	67	65	78	84	74	80	86	76	80	78	80	74·1
6	80	79	76	82	79	80	69	78	79	74	80	69	65	73	73	78	72	78	80	79	77	78	84	89	89	77·3
7	89	93	91	91	92	95	93	92	94	93	91	89	88	91	91	89	78	79	85	82	83	84	84	81	75	87·9
8	75	84	82	83	80	85	90	84	81	86	86	79	81	81	72	88	87	78	81	86	86	94	79	82	89	83·3
9	89	91	87	81	77	72	61	82	74	66	69	59	64	63	69	67	71	69	68	72	70	69	73	75	75	72·1
10	75	82	86	81	83	85	86	84	93	93	93	88	85	83	86	88	83	84	80	81	79	77	78	77	85	84·0
11	85	83	86	86	84	85	81	83	85	83	82	83	83	80	80	82	85	88	88	93	93	94	97	98	92	86·3
12	92	95	95	96	93	94	92	96	88	86	84	90	81	85	85	86	76	70	73	78	76	66	74	72	65	83·7
13	65	63	66	60	63	66	66	67	67	72	73	73	73	73	74	76	82	87	87	93	90	93	95	95	98	76·5
14	98	100	97	99	98	98	97	96	96	96	99	97	94	95	95	95	94	95	96	97	97	97	97	97	97	96·7
15	97	97	96	98	98	92	96	94	95	96	97	94	91	85	86	93	96	95	93	97	94	90	90	90	95	93·7
16	95	94	93	91	90	87	86	79	80	80	78	76	72	80	75	75	80	80	91	91	88	91	96	93	95	85·1
17	95	95	96	90	89	90	90	95	94	95	92	87	88	84	87	85	87	91	86	77	74	75	73	76	82	86·8
18	82	79	82	88	86	79	78	71	71	71	72	78	78	81	85	82	85	84	77	79	75	72	73	68	62	77·8
19	62	72	73	78	80	81	78	80	84	80	83	79	72	79	65	71	74	75	81	78	79	77	80	82	85	77·3
20	85	85	88	86	89	91	92	92	94	94	96	89	82	84	82	81	79	83	86	75	83	75	75	78	84	85·2
21	84	83	82	81	87	85	85	84	87	87	84	77	69	74	72	71	72	78	80	84	87	85	83	87	84	81·2
22	84	77	85	83	76	73	80	82	82	76	74	73	73	75	74	77	78	78	81	80	84	84	82	81	79	78·8
23	79	81	78	78	83	84	84	86	90	84	84	82	80	81	79	81	84	82	86	84	82	82	86	84	85	82·8
24	85	84	84	85	84	83	86	86	85	87	84	79	81	76	75	75	79	80	82	81	82	80	77	80	81	81·6
25	81	81	80	80	80	79	80	77	76	76	76	77	75	74	76	77	78	77	78	77	74	75	74	75	77	77·1
26	77	78	79	78	76	70	72	70	72	76	78	68	66	65	71	67	73	78	78	75	74	79	80	78	85	74·3
27	85	85	86	90	89	84	83	90	90	92	89	83	84	82	84	82	89	83	92	94	96	96	97	93	95	88·4
28	95	95	95	91	86	88	85	83	88	93	92	91	87	85	93	97	98	98	94	92	90	86	87	89	97	90·8
29	97	97	95	97	98	98	96	96	97	86	83	81	80	77	78	78	76	81	83	85	85	81	86	87	87	87·2
30	87	87	97	97	98	97	94	92	87	90	89	90	85	84	81	86	88	92	93	94	93	93	91	84	85	90·4
Mean ...	83·8	84·2	84·9	85·2	85·0	85·0	83·5	84·0	85·0	84·1	84·1	81·7	79·5	80·4	79·9	81·3	82·5	83·3	84·0	84·5	84·2	83·2	84·1	82·9	83·8	83·3
Normals 1886-1910.	86·9	86·9	87·3	87·4	87·5	87·7	87·8	87·9	87·8	87·3	86·5	85·0	83·5	82·5	82·1	82·5	83·7	84·9	85·5	85·7	86·4	86·4	86·7	86·8	87·0	86·0

[Price Sixpence.]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** NOVEMBER, 1911.

Heights above Mean Sea Level: Station, H=5·6m. Barometer, H_b=10·4m.

Heights above Ground: Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows;—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE* AND TEMPERATURE†. NOVEMBER, 1911.

DAY.	PRESSURE. Max.	PRESSURE. Min.	TEMPERATURE. Max.	TEMPERATURE. Min.	DAY.	PRESSURE. Max.	PRESSURE. Min.	TEMPERATURE. Max.	TEMPERATURE. Min.	DAY.	PRESSURE. Max.	PRESSURE. Min.	TEMPERATURE. Max.	TEMPERATURE. Min.	DAY.	PRESSURE. Max.	PRESSURE. Min.	TEMPERATURE. Max.	TEMPERATURE. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0221	·0182	84·9	77·3	9	·0002	·9982	82·4	76·4	17	·9988	·9847	84·9	81·9	25	·0152	·0131	79·2	76·1
2	·0192	·0133	85·7	80·0	10	·0079	·9988	78·9	75·8	18	·9847	**·9696**	82·4	77·5	26	·0146	·0116	77·5	73·8
3	·0170	·0080	85·5	77·3	11	·0097	·9967	80·8	74·2	19	·9842	·9749	80·9	77·0	27	·0149	·0098	75·6	72·1
4	·0122	·9996	87·5	83·5	12	·0016	·9899	86·0	80·1	20	·0028	·9841	81·6	78·0	28	·0185	·0149	81·9	72·8
5	·0061	·9949	**87·7**	79·7	13	·0254	·0015	83·1	78·9	21	·0028	·9971	78·0	72·0	29	**·0301**	·0185	82·6	73·1
6	·0145	·0060	83·5	77·6	14	·0262	·0210	85·3	77·4	22	·0029	·9954	77·4	**71·6**	30	·0294	·0245	80·8	74·3
7	·0154	·0040	84·8	76·9	15	·0210	·9981	84·6	81·0	23	·0092	·0020	79·1	75·6					
8	·0041	·0001	84·9	78·1	16	·0010	·9980	87·0	83·0	24	·0132	·0089	79·1	78·0	Mean.	—	—	82·5	77 0

TABLE II.

KEW. NOVEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0184	·0184	·0183	·0185	·0189	·0194	·0196	·0204	·0210	·0214	·0219	·0219	·0218	·0214	·0211	·0212	·0213	·0212	·0213	·0211	·0209	·0205	·0202	·0200	·0192	·0204
2	·0192	·0190	·0182	·0175	·0169	·0166	·0164	·0166	·0166	·0164	·0161	·0154	·0147	·0141	·0136	·0134	·0135	·0137	·0139	·0139	·0139	·0144	·0147	·0151	·0155	·0155
3	·0155	·0160	·0161	·0164	·0164	·0161	·0166	·0168	·0166	·0164	·0160	·0153	·0142	·0137	·0132	·0127	·0121	·0112	·0110	·0106	·0102	·0096	·0091	·0085	·0080	·0136
4	·0080	·0076	·0071	·0071	·0074	·0077	·0091	·0099	·0109	·0113	·0117	·0118	·0121	·0118	·0115	·0108	·0100	·0092	·0090	·0080	·0065	·0050	·0022	·0011	·9996	·0084
5	·9996	·9983	·9971	·9963	·9953	·9951	·9961	·9974	·9979	·9984	·9988	·9992	·9998	·9997	·9998	·0004	·0013	·0019	·0031	·0036	·0047	·0051	·0055	·0059	·0061	·0002
6	·0061	·0062	·0064	·0070	·0064	·0068	·0072	·0076	·0083	·0086	·0088	·0089	·0086	·0087	·0090	·0092	·0095	·0101	·0111	·0117	·0123	·0128	·0137	·0143	·0144	·0093
7	·0144	·0149	·0153	·0153	·0154	·0152	·0150	·0149	·0149	·0142	·0136	·0131	·0121	·0115	·0110	·0111	·0104	·0103	·0098	·0092	·0082	·0072	·0065	·0052	·0040	·0118
8	·0040	·0031	·0041	·0039	·0038	·0039	·0035	·0035	·0037	·0035	·0037	·0038	·0033	·0029	·0027	·0024	·0024	·0023	·0026	·0024	·0019	·0016	·0012	·0006	·0001	·0029
9	·0001	·9997	·9990	·9987	·9990	·9983	·9984	·9985	·9990	·9990	·9992	·9994	·9990	·9988	·9988	·9990	·9991	·9994	·9997	·9997	·9996	·9997	·9996	·9995	·9994	·9992
10	·9994	·9992	·9991	·9990	·9991	·9992	·9992	·0000	·0002	·0004	·0010	·0015	·0016	·0021	·0027	·0032	·0037	·0042	·0052	·0057	·0064	·0070	·0076	·0078	·0079	·0025
11	·0079	·0079	·0081	·0081	·0083	·0087	·0088	·0090	·0094	·0094	·0097	·0094	·0091	·0084	·0077	·0067	·0065	·0058	·0050	·0038	·0022	·0008	·9994	·9981	·9967	·0064
12	·9967	·9954	·9935	·9922	·9908	·9902	·9903	·9912	·9919	·9923	·9926	·9924	·9925	·9925	·9924	·9921	·9929	·9945	·9965	·9974	·9979	·9991	·9997	·0004	·0016	·9942
13	·0016	·0022	·0028	·0034	·0038	·0044	·0056	·0069	·0080	·0090	·0104	·0117	·0127	·0139	·0153	·0165	·0177	·0189	·0203	·0216	·0226	·0235	·0243	·0249	·0254	·0131
14	·0254	·0258	·0261	·0259	·0258	·0259	·0259	·0259	·0260	·0260	·0260	·0256	·0253	·0248	·0247	·0245	·0243	·0244	·0243	·0241	·0232	·0228	·0221	·0216	·0210	·0248
15	·0210	·0201	·0184	·0178	·0165	·0155	·0145	·0125	·0118	·0104	·0092	·0079	·0069	·0065	·0053	·0044	·0037	·0035	·0034	·0031	·0022	·0011	·9999	·9989	·9981	·0085
16	·9981	·9980	·9988	·9990	·9992	·9999	·0002	·0006	·0008	·0007	·0002	·0000	·0004	·0001	·9999	·9998	·9999	·9999	·0003	·0006	·0004	·0004	·9999	·9994	·9988	·9999
17	·9988	·9976	·9968	·9954	·9935	·9918	·9904	·9901	·9898	·9901	·9913	·9914	·9910	·9904	·9895	·9891	·9887	·9887	·9883	·9874	·9870	·9864	·9860	·9853	·9847	·9903
18	·9847	·9837	·9828	·9819	·9806	·9803	·9769	·9788	·9776	·9770	·9760	·9753	·9739	·9723	·9706	·9697	·9697	·9702	·9710	·9716	·9725	·9731	·9739	·9745	·9749	·9756
19	·9749	·9753	·9758	·9760	·9762	·9763	·9766	·9770	·9771	·9771	·9771	·9772	·9768	·9766	·9768	·9771	·9779	·9790	·9800	·9806	·9812	·9819	·9826	·9831	·9842	·9781
20	·9842	·9848	·9859	·9869	·9879	·9893	·9903	·9913	·9927	·9939	·9949	·9957	·9961	·9967	·9973	·9978	·9993	·9999	·0008	·0012	·0016	·0020	·0024	·0026	·0027	·9952
21	·0027	·0027	·0026	·0025	·0022	·0022	·0019	·0016	·0017	·0015	·0011	·0005	·9997	·9996	·9993	·9987	·9985	·9985	·9984	·9982	·9981	·9979	·9977	·9976	·9971	·0001
22	·9971	·9967	·9965	·9960	·9959	·9956	·9955	·9957	·9964	·9965	·9972	·9973	·9976	·9976	·9976	·9984	·9993	·9996	·0004	·0013	·0018	·0018	·0020	·0025	·0027	·9983
23	·0027	·0021	·0024	·0020	·0023	·0026	·0026	·0029	·0033	·0038	·0047	·0050	·0047	·0047	·0051	·0052	·0058	·0061	·0066	·0070	·0074	·0075	·0079	·0088	·0092	·0049
24	·0092	·0094	·0093	·0091	·0093	·0093	·0093	·0098	·0108	·0112	·0116	·0113	·0113	·0115	·0113	·0113	·0114	·0116	·0121	·0121	·0123	·0126	·0129	·0129	·0131	·0110
25	·0131	·0133	·0134	·0135	·0135	·0136	·0138	·0139	·0142	·0144	·0146	·0146	·0146	·0146	·0149	·0151	·0152	·0149	·0149	·0149	·0150	·0150	·0148	·0148	·0146	·0144
26	·0146	·0144	·0143	·0140	·0138	·0136	·0137	·0137	·0137	·0135	·0135	·0131	·0124	·0120	·0119	·0121	·0118	·0120	·0120	·0122	·0122	·0123	·0122	·0118	·0116	·0129
27	·0116	·0113	·0112	·0108	·0104	·0101	·0100	·0102	·0105	·0106	·0108	·0107	·0107	·0110	·0115	·0120	·0122	·0126	·0133	·0138	·0140	·0142	·0145	·0147	·0149	·0118
28	·0149	·0150	·0152	·0154	·0152	·0152	·0155	·0157	·0160	·0161	·0164	·0161	·0159	·0156	·0156	·0158	·0160	·0162	·0164	·0168	·0174	·0177	·0178	·0182	·0185	·0162
29	·0185	·0185	·0188	·0195	·0203	·0209	·0219	·0230	·0241	·0252	·0260	·0266	·0272	·0276	·0278	·0282	·0285	·0288	·0291	·0297	·0300	·0299	·0299	·0299	·0294	·0256
30	·0294	·0292	·0289	·0285	·0284	·0282	·0282	·0280	·0284	·0283	·0277	·0274	·0270	·0266	·0262	·0260	·0257	·0257	·0258	·0256	·0254	·0253	·0252	·0250	·0245	·0270
Mean...	1·0 0639	1·0 0619	1·0 0608	1·0 0592	1·0 0575	1·0 0573	1·0 0577	1·0 0611	1·0 0644	1·0 0655	1·0 0673	1·0 0665	1·0 0643	1·0 0626	1·0 0614	1·0 0613	1·0 0628	1·0 0648	1·0 0685	1·0 0696	1·0 0697	1·0 0694	1·0 0685	1·0 0677	1·0 0660	1·0 0640
Normals 1871–1910.	1·0 1321	1·0 1305	1·0 1298	1·0 1284	1·0 1274	1·0 1274	1·0 1281	1·0 1295	1·0 1324	1·0 1338	1·0 1351	1·0 1345	1·0 1314	1·0 1291	1·0 1267	1·0 1267	1·0 1274	1·0 1288	1·0 1308	1·0 1314	1·0 1324	1·0 1328	1·0 1328	1·0 1321	1·0 1314	1·0 1305

(23494—24.) Wt. 41466—310. 375. 4/12. D & S. G. 30 Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	21	3·6	21	3·1	21	3·1	21	3·1	21	3·1	20	2·2	—	1·3	20	1·8	22	3·1	22	3·1	24	4·0	22	3·6
2	17	3·1	18	3·6	18	3·6	18	2·7	18	3·1	18	2·7	18	3·1	18	3·1	18	3·6	18	5·4	19	6·3	19	7·6
3	21	1·8	21	1·8	—	0·9	21	1·8	—	1·3	—	0·9	—	0·9	18	1·8	18	2·2	16	3·0	16	4·9	18	6·3
4	19	9·8	18	9·8	18	8·5	19	7·6	19	5·4	22	4·0	22	3·6	21	4·0	19	4·9	21	5·8	22	5·4	21	4·9
5	19	13·0	19	13·0	19	11·6	19	11·6	19	9·4	23	9·8	21	6·7	20	5·8	21	6·7	21	9·4	22	10·7	23	9·4
6	22	6·7	21	6·7	22	7·6	20	8·1	21	6·3	20	5·4	20	5·8	21	6·7	20	6·7	20	7·6	20	7·2	21	8·5
7	20	4·5	20	3·1	20	3·1	20	2·2	20	2·7	20	2·7	20	3·1	19	3·1	19	4·5	18	5·4	18	7·6	19	6·3
8	18	10·3	20	5·8	19	5·4	18	5·4	18	5·4	18	4·5	18	4·5	18	4·5	18	4·5	18	4·5	17	4·5	17	4·5
9	17	1·8	17	3·6	15	5·4	22	4·0	13	2·2	—	1·3	—	1·3	—	1·3	16	1·8	18	4·0	19	4·5	19	4·5
10	16	1·8	16	3·1	16	2·2	16	2·7	16	1·8	16	1·8	16	2·2	—	1·3	16	1·8	16	2·2	18	1·8	18	1·8
11	21	1·8	—	1·3	—	1·3	21	1·8	21	2·2	21	1·8	—	0·9	21	1·8	21	1·8	—	0·9	—	0·0	—	0·9
12	7	1·8	14	4·5	15	4·5	16	5·8	17	8·1	18	11·6	19	10·3	19	9·4	18	8·1	17	5·8	17	6·3	19	7·6
13	19	7·2	19	7·6	19	8·1	18	8·1	19	7·2	20	6·7	20	7·2	20	7·2	19	6·7	20	6·7	21	5·4	21	5·8
14	—	0·9	—	0·9	—	0·9	—	1·3	22	1·8	17	2·2	17	3·1	17	4·5	17	5·4	16	7·6	17	6·7	17	6·7
15	16	3·1	16	2·7	16	4·0	16	4·0	16	3·1	16	2·2	16	3·1	15	4·9	15	3·6	15	5·8	15	7·2	16	6·7
16	20	8·5	21	8·1	21	6·7	22	7·2	22	7·6	20	8·1	20	6·3	19	6·7	20	6·7	19	8·1	20	7·6	24	6·3
17	19	3·1	19	3·6	17	1·8	14	2·7	17	7·6	16	9·4	18	8·5	18	8·1	19	6·7	20	8·1	20	5·8	20	6·7
18	17	4·5	17	4·9	17	3·6	17	3·6	21	3·6	17	3·1	17	3·1	14	2·2	14	2·7	—	0·9	—	0·5	—	0·5
19	25	5·4	24	4·9	24	5·4	25	5·4	25	5·4	24	6·7	24	6·7	24	6·7	24	7·6	23	7·2	25	8·1	24	8·5
20	26	6·7	27	5·8	27	5·4	27	5·4	27	4·0	27	4·0	27	2·2	27	2·7	25	3·1	24	4·0	25	3·6	28	4·5
21	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	0·9	—	1·3	—	0·9	29	2·2	30	3·1	32	3·1	30	4·0
22	27	1·8	27	1·8	25	1·8	25	1·8	25	1·8	—	0·9	—	1·3	—	1·3	—	1·3	—	1·3	—	0·9	32	3·1
23	4	3·1	4	4·5	4	5·4	4	4·9	4	5·4	3	6·7	4	8·1	3	9·8	3	10·3	4	9·8	4	9·8	4	10·7
24	4	8·9	4	8·9	4	9·4	5	8·5	4	8·1	4	8·1	3	8·9	4	8·5	4	8·5	5	9·4	4	9·4	4	10·3
25	5	7·2	4	8·5	5	6·7	4	8·5	4	6·7	3	6·7	4	6·7	4	5·8	3	6·7	4	7·2	5	8·1	5	8·1
26	3	3·6	3	3·6	3	3·6	3	3·1	3	2·7	2	3·1	2	3·1	2	3·1	2	4·5	2	4·5	32	4·5	1	5·4
27	—	1·3	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	0·0	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9
28	—	0·9	—	0·0	—	1·3	—	1·3	—	1·3	21	1·8	21	1·8	—	0·9	—	1·3	—	1·3	15	4·0	15	4·5
29	13	3·1	13	2·7	16	2·7	18	3·1	18	2·7	18	2·2	18	3·1	—	0·9	—	0·9	18	1·8	19	1·8	25	1·8
30	—	0·9	25	1·8	25	1·8	—	1·3	—	1·3	25	1·8	—	0·9	—	0·9	—	1·3	13	2·2	14	3·1	16	3·1
Mean ...	—	4·4	—	4·4	—	4·3	—	4·3	—	4·1	—	4·1	—	4·0	—	4·0	—	4·3	—	4·9	—	5·1	—	5·5
Normals, 1881–1910.	—	3·0	—	3·0	—	3·0	—	3·0	—	3·0	—	2·9	—	2·9	—	3·0	—	3·3	—	3·4	—	4·0	—	4·2

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the has been applied for friction. When the velocity is less than 1·8 metres per second,

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. NOVEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	1·02	2·29	0·25	—	—	—	—	—	4·32
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	1·27	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·77
5	0·25	—	—	—	4·06	1·27	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	6·08
6	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51
7	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
8	0·51	6·09	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·10
9	—	—	—	3·30	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·81
10	—	—	—	—	—	—	—	—	—	0·25	0·51	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	1·26
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·76	1·52	0·51	—	1·52	3·05	2·54	2·03	12·18
12	1·78	0·76	0·51	0·25	—	—	—	—	—	—	2·03	—	—	1·02	—	—	—	—	—	—	—	—	—	—	6·35
13	—	—	—	—	—	—	1·27	2·03	1·02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·32
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·25
16	—	—	—	—	—	—	0·25	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	0·25	0·51	1·26
17	1·02	1·27	1·02	0·76	0·51	1·27	1·52	0·76	—	—	—	—	—	—	—	0·25	—	—	—	—	—	0·25	0·76	0·76	10·15
18	1·02	—	1·78	0·51	3·05	0·25	0·51	—	0·51	—	0·51	3·05	3·30	2·29	0·76	1·52	1·27	0·51	0·25	—	—	—	—	—	21·09
19	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51	0·51	0·25	0·51	0·25	—	—	—	—	0·25	—	—	2·79
20	0·25	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	—	—	—	—	—	—	—	0·76
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	0·25
27	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
28	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
Sum ...	5·23	8·63	5·59	5·32	8·38	2·79	3·80	2·79	2·03	0·25	3·05	4·06	3·81	3·82	1·51	3·80	3·80	4·32	1·01	—	1·52	3·80	3·55	3·30	86·26
Normals 1871–1910.	2·41	2·82	2·51	2·36	2·49	2·39	2·21	1·96	1·83	1·98	1·85	1·98	2·03	2·18	2·62	2·46	2·84	2·29	2·29	2·39	2·18	2·31	2·62	2·59	55·59

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. NOVEMBER, 1911.

	13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
1	26	2·7	23	3·1	21	3·1	20	3·1	—	1·3	20	1·8	17	1·8	—	0·9	17	1·8	17	3·1	17	2·2	17	2·2	2·6	1
2	19	7·6	19	6·7	19	6·3	18	4·9	18	4·5	20	3·1	18	3·6	18	2·2	20	2·7	21	3·1	21	2·2	21	2·2	4·0	2
3	20	6·7	19	8·1	18	8·1	18	8·5	17	8·9	17	8·1	17	7·6	17	7·6	17	8·5	18	8·1	18	9·8	18	9·8	5·3	3
4	20	5·8	20	5·8	19	5·4	18	5·4	18	4·5	18	3·6	19	4·0	17	5·4	17	4·9	18	8·1	18	11·6	19	13·0	8·3	4
5	23	10·3	22	9·8	22	10·7	22	9·4	25	6·7	25	5·4	23	8·1	23	6·3	21	6·7	22	8·1	20	5·4	20	8·1	8·8	5
6	22	8·9	22	8·1	22	8·5	22	6·7	21	7·2	20	5·4	20	5·4	21	5·4	21	5·4	21	4·5	21	3·6	21	4·0	6·5	6
7	18	7·6	20	5·4	21	4·0	20	4·5	18	4·5	18	4·9	17	5·4	17	5·4	17	7·2	17	8·1	17	8·9	17	11·6	5·2	7
8	18	4·5	19	4·5	20	4·5	21	3·1	21	3·1	—	1·3	21	2·2	19	1·8	19	1·8	19	2·2	17	2·2	17	2·7	4·1	8
9	19	5·4	17	5·4	16	4·5	16	3·1	16	3·1	16	3·1	16	2·2	16	3·1	16	2·2	16	3·1	16	2·2	16	3·1	3·2	9
10	19	2·2	22	3·1	22	2·7	22	2·2	22	3·1	23	2·7	23	3·1	23	2·7	23	2·2	23	2·2	21	3·1	21	1·8	2·3	10
11	19	1·8	13	1·8	13	3·1	10	3·6	10	3·1	10	4·5	9	4·5	9	6·7	8	8·1	8	6·7	7	5·8	7	3·6	2·9	11
12	18	9·4	19	7·6	18	9·8	18	9·8	21	9·4	20	7·2	20	7·2	20	6·7	19	7·6	19	8·1	18	8·1	18	6·7	7·6	12
13	21	5·4	21	4·5	21	4·5	21	4·5	21	4·0	21	3·1	22	2·7	21	3·1	22	3·6	22	2·2	22	3·1	22	1·8	5·3	13
14	18	7·6	18	6·7	18	6·7	18	4·9	18	5·4	17	4·5	17	3·1	17	3·1	17	4·0	17	4·0	17	4·0	16	3·1	4·1	14
15	17	6·7	16	6·3	17	5·4	17	4·9	18	6·3	19	5·4	19	5·8	18	8·1	18	7·6	18	9·8	18	9·4	18	9·4	5·6	15
16	22	6·7	20	5·4	21	6·7	22	5·4	20	5·4	20	4·9	20	5·4	20	4·5	20	4·0	20	4·5	20	4·5	19	3·1	6·2	16
17	19	6·3	19	6·3	19	7·2	18	6·7	19	6·3	18	5·4	18	6·3	18	6·3	16	6·7	17	7·2	19	4·9	18	6·7	6·2	17
18	—	0·5	7	2·7	1	3·1	31	5·4	30	5·4	29	5·4	28	5·4	28	5·4	26	5·8	26	5·8	25	5·4	24	5·8	3·7	18
19	24	8·1	24	6·7	25	6·7	25	6·7	25	6·3	26	5·8	26	5·4	25	6·7	25	6·7	25	6·7	26	7·2	25	6·3	6·6	19
20	28	4·5	30	4·0	30	3·6	28	2·2	27	3·6	29	1·8	29	2·7	29	2·2	—	1·3	—	1·3	29	1·8	—	0·9	3·4	20
21	30	4·0	31	3·1	29	3·1	29	1·8	29	2·2	29	1·8	29	1·8	29	1·8	29	1·8	29	1·8	29	1·8	27	1·8	2·1	21
22	32	3·1	2	4·5	3	3·1	3	3·1	5	4·5	4	4·0	5	3·6	5	3·1	3	3·1	3	1·8	3	2·2	4	3·1	2·4	22
23	4	12·1	4	10·3	4	10·3	4	10·3	3	9·8	3	8·5	3	9·4	4	9·4	3	10·3	4	9·4	4	9·8	4	9·4	8·6	23
24	5	10·3	4	9·8	3	9·4	3	9·4	4	10·3	4	8·1	4	8·5	4	7·6	5	8·1	6	9·4	5	10·3	5	8·5	9·0	24
25	6	8·1	4	8·1	4	7·2	4	8·1	4	7·2	3	8·1	4	5·4	4	5·4	3	4·0	3	4·0	3	4·5	3	3·1	6·7	25
26	2	4·9	1	4·5	2	3·6	2	1·8	2	3·1	2	2·7	2	1·8	2	1·8	2	2·7	2	2·2	2	1·8	—	1·3	3·2	26
27	22	1·8	22	2·7	21	2·2	21	1·8	—	1·3	—	0·9	—	0·5	—	0·9	—	0·9	—	1·3	—	0·9	—	1·3	1·1	27
28	16	4·5	16	2·2	16	2·2	16	2·2	16	1·8	—	0·9	—	1·3	16	3·1	16	2·7	13	1·8	13	1·8	13	2·7	2·0	28
29	—	1·3	—	1·3	—	0·9	—	0·5	—	0·5	—	0·5	—	0·0	—	0·5	—	0·0	—	0·5	—	0·0	—	0·9	1·4	29
30	16	4·0	16	3·1	16	3·1	16	1·8	16	1·8	16	1·8	—	1·3	16	2·7	16	3·1	16	2·7	16	3·6	16	4·9	2·3	30
	—	5·8	—	5·4	—	5·3	—	4·9	—	4·8	—	4·2	—	4·2	—	4·3	—	4·5	—	4·7	—	4·8	—	4·8	4·6	Normals 1881–1910.
	—	4·3	—	4·2	—	3·9	—	3·5	—	3·4	—	3·3	—	3·3	—	3·2	—	3·1	—	3·1	—	3·0	—	3·0	3·3	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. NOVEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	—	—	—	—	8·0	Fine throughout; ☊ at 21h. 15m.
2	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	0·1	Dull, with ● in afternoon.
3	—	—	—	—	·4	·2	·7	·7	·3	·4	—	—	—	—	—	—	—	2·7	Fair to dull.
4	—	—	—	—	·1	·7	·6	—	·2	—	—	—	—	—	—	—	—	1·6	Cloudy to overcast.
5	—	—	—	—	—	·6	1·0	1·0	·8	1·0	1·0	·8	·3	—	—	—	—	6·5	●² 5h.–6h., but fine most of day; strong wind.
6	—	—	—	—	·6	1·0	1·0	1·0	·9	1·0	·9	·9	·2	—	—	—	—	7·5	Fine.
7	—	—	—	—	—	—	·1	·8	·7	·9	·4	·4	·3	—	—	—	—	3·6	Fine during day; ≋⁰ in evening.
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●² about 2h.; dull throughout.
9	—	—	—	—	—	—	·6	·9	1·0	1·0	·7	1·0	·6	—	—	—	—	5·8	Fine, but rather misty.
10	—	—	—	—	—	·3	—	—	—	—	—	—	—	—	—	—	—	0·3	Dull.
11	—	—	—	—	—	·7	·5	·1	—	—	—	—	—	—	—	—	—	1·3	▭; fair to dull, with ●.
12	—	—	—	—	—	—	·4	—	·2	·2	—	·6	·3	—	—	—	—	1·7	Cloudy and ●, with bright intervals.
13	—	—	—	—	—	—	—	—	·3	·1	—	—	—	—	—	—	—	0·4	Dull most of day.
14	—	—	—	—	—	·5	·2	·3	—	—	·1	·1	·2	—	—	—	—	1·4	Fair.
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast generally; mild.
17	—	—	—	—	—	—	·1	·5	—	—	·5	·5	—	—	—	—	—	1·6	Damp and dull, to fine during day.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	● during most of day.
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
20	—	—	—	—	—	—	—	—	—	·1	·5	·4	—	—	—	—	—	1·0	A.M. overcast and misty; P.M. brighter.
21	—	—	—	—	—	—	·1	·9	1·0	·6	—	·6	—	—	—	—	—	3·2	Fine at intervals.
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and misty; ✳⁰ about 9h.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull; strong wind all day.
24	—	—	—	—	—	—	—	—	—	—	·2	—	—	—	—	—	—	0·2	Generally overcast; ≋⁰.
25	—	—	—	—	—	—	—	·2	—	—	—	—	—	—	—	—	—	0·2	Dull; N.Ely. wind.
26	—	—	—	—	—	·3	·6	·9	·7	·5	—	—	—	—	—	—	—	3·0	Bright at first, cloudy later with ✳⁰.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋⁰, dull.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋, overcast.
29	—	—	—	—	—	—	·9	1·0	1·0	1·0	1·0	·2	—	—	—	—	—	5·1	Fine day; ≋² at night.
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	≋², clearing about 8h.; remaining dull.
	—	—	—	—	1·5	5·3	7·8	9·3	8·1	7·8	6·4	6·4	2·6	—	—	—	—	55·2	Total.
	—	—	—	—	0·27	2·92	6·18	8·16	9·02	8·95	8·32	6·00	0·99	—	—	—	—	50·80	Normals, 1881–1910.

TABLE VI.

KEW. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. NOVEMBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	79°.6	79°.6	79°.5	79°.3	78°.9	78°.4	77°.9	77°.4	77°.5	79°.7	81°.3	82°.6	83°.5	84°.2	84°.7	84°.5	83°.7	82°.1	81°.1	80°.3	79°.5	78°.8	80°.3	80°.1	80°.2	80°.6
2	80.2	80.4	80.9	81.5	81.2	81.0	81.0	81.0	81.7	82.5	83.5	84.6	84.9	85.3	85.4	84.9	84.0	83.7	83.1	82.9	83.1	82.6	82.2	81.7	81.0	82.7
3	81.0	80.2	79.5	79.1	78.4	78.7	78.4	78.2	77.6	80.1	81.5	83.8	84.9	84.8	85.2	85.2	84.8	84.7	84.6	84.7	84.6	84.7	84.9	85.2	85.5	82.4
4	85.5	85.4	85.3	85.4	85.3	85.6	84.9	84.4	83.6	84.1	84.9	85.3	85.4	85.7	85.4	85.2	84.5	83.8	83.6	84.0	84.4	84.3	86.1	87.0	87.4	85.0
5	87.4	87.4	87.1	87.2	87.6	87.3	87.3	84.3	84.3	85.2	85.6	86.2	84.3	86.0	86.0	85.3	83.1	81.4	82.2	81.7	81.5	80.4	80.1	79.8	80.1	84.4
6	80.1	79.8	79.5	78.8	78.8	78.2	77.8	78.0	78.5	79.3	80.4	81.8	82.5	83.1	83.2	83.2	82.4	81.5	80.1	79.5	79.8	79.6	79.0	78.6	78.2	80.1
7	78.2	77.9	77.5	77.3	77.1	77.0	77.1	77.4	78.7	80.6	81.7	83.0	83.8	84.3	84.5	84.7	84.0	83.1	82.8	82.6	82.6	83.2	83.9	84.1	84.5	81.3
8	84.5	84.5	81.3	81.3	81.3	81.3	81.5	81.5	81.6	82.0	81.9	82.1	82.4	82.8	82.8	82.4	81.8	81.2	80.7	80.2	79.9	79.1	78.7	78.8	78.1	81.4
9	78.1	78.0	77.8	79.3	78.0	77.5	76.9	76.8	77.3	77.9	79.0	79.9	80.9	81.5	82.2	81.2	80.4	79.2	78.4	78.0	77.4	76.9	76.8	76.9	77.5	78.6
10	77.5	77.0	78.1	77.6	77.9	78.2	78.2	77.6	77.8	78.8	78.8	78.1	78.1	78.2	78.2	78.6	78.9	78.8	78.6	78.7	78.7	77.8	76.8	76.3	75.8	78.0
11	75.8	75.2	74.8	74.9	74.9	75.2	74.8	74.8	74.4	75.4	76.2	77.4	79.1	80.7	80.7	80.3	80.2	80.2	79.9	79.9	79.9	80.0	79.6	79.8	80.0	77.8
12	80.0	80.8	83.2	83.8	84.1	84.9	85.2	85.1	84.9	85.2	85.6	85.5	85.4	85.4	84.5	84.7	83.8	83.7	82.3	82.0	81.3	81.2	81.0	80.9	80.7	83.5
13	80.7	80.4	80.2	80.4	80.4	80.5	80.8	80.9	80.2	80.2	81.2	81.8	83.0	82.9	82.6	82.6	82.6	82.3	82.0	81.9	81.8	81.1	80.1	79.3	78.9	81.2
14	78.9	78.2	77.9	77.5	78.2	78.7	78.5	79.5	80.3	82.4	84.0	84.6	84.7	85.3	85.0	85.2	84.4	83.8	83.5	82.4	82.1	82.4	82.6	82.8	82.1	81.9
15	82.1	81.5	81.4	81.2	81.3	81.4	81.1	81.3	81.3	82.0	82.5	83.5	83.7	84.2	83.6	83.7	83.7	83.8	83.0	82.6	83.2	83.9	84.0	84.2	84.6	82.7
16	84.6	85.2	85.2	85.0	85.2	84.8	84.6	84.2	83.7	85.0	85.8	86.8	85.2	85.1	85.9	85.7	85.0	84.7	84.0	83.6	83.5	83.4	83.5	83.5	83.0	84.7
17	83.0	82.8	82.2	81.9	82.0	84.2	84.5	84.6	84.1	84.1	84.3	84.6	84.5	84.6	84.8	84.7	84.1	83.0	82.4	82.4	82.4	82.3	82.6	82.2	82.5	83.4
18	82.5	81.9	81.0	81.1	80.9	80.8	80.8	80.3	80.2	80.6	81.1	81.3	81.0	80.7	80.2	79.9	79.5	78.8	78.9	79.1	78.8	79.0	78.8	78.5	77.5	80.1
19	77.5	77.4	77.4	77.3	77.1	77.1	77.0	77.2	77.1	77.6	78.2	78.8	78.7	78.6	78.8	78.9	78.9	79.0	79.3	79.9	80.1	80.3	80.3	80.8	80.7	78.5
20	80.7	80.4	79.9	79.9	79.8	79.2	79.0	78.4	78.8	79.2	79.5	80.3	80.9	81.3	81.3	81.4	81.1	80.9	80.6	80.2	79.8	79.0	78.2	78.1	78.1	79.9
21	78.1	77.5	77.3	77.1	76.5	76.3	76.3	76.0	76.0	76.1	76.3	76.7	77.3	77.3	77.1	76.7	76.0	75.3	74.6	74.1	73.6	73.1	72.5	72.3	72.1	75.7
22	72.1	71.8	71.7	72.4	72.9	73.5	73.1	73.6	73.9	74.3	75.0	76.0	76.7	77.3	77.4	76.5	76.3	76.0	75.8	75.4	74.9	74.2	74.1	75.4	76.0	74.7
23	76.0	75.7	75.9	76.3	76.5	77.4	77.8	78.2	78.1	78.7	78.6	78.8	79.0	79.0	78.4	78.5	77.6	77.4	77.6	78.0	78.1	78.4	78.2	78.3	78.4	77.8
24	78.4	78.4	78.4	78.4	78.4	78.3	78.1	78.0	78.1	78.1	78.2	78.7	79.0	79.0	78.9	78.5	78.0	78.1	78.1	78.6	78.8	79.0	79.0	78.8	78.6	78.5
25	78.6	78.4	78.0	77.9	78.0	78.0	78.0	78.2	78.1	78.2	78.8	78.8	79.2	79.1	78.8	78.6	78.2	77.7	77.4	77.1	77.2	76.8	76.8	76.9	76.1	78.0
26	76.1	75.9	75.8	75.6	75.6	75.1	74.6	74.2	74.0	74.7	75.4	76.3	76.8	77.4	76.9	75.4	75.0	74.9	74.1	73.9	74.3	74.5	74.2	74.3	74.5	75.2
27	74.5	74.6	74.5	74.6	74.6	74.5	74.2	74.0	73.6	74.1	74.5	75.2	75.2	75.2	75.3	75.2	74.1	73.1	72.5	72.8	72.1	72.9	73.8	74.2	74.6	74.1
28	74.6	75.2	75.4	74.2	74.3	75.0	75.4	75.6	76.1	77.1	78.0	80.6	81.0	81.2	81.3	81.5	81.8	81.0	79.5	79.6	80.6	81.0	81.0	81.7	81.8	78.6
29	81.8	82.0	81.9	81.3	80.8	80.1	80.3	79.9	78.7	78.4	79.1	80.4	81.5	82.4	82.4	82.1	80.7	79.1	77.0	75.8	74.5	74.0	73.6	73.5	73.9	79.1
30	73.9	75.6	76.0	75.9	75.4	75.6	76.1	76.3	76.7	77.4	79.9	80.5	80.4	80.7	80.6	80.6	80.4	80.3	80.4	80.4	80.6	80.5	80.5	80.6	80.4	78.7
Mean ...	79.4	79.3	79.2	79.1	79.0	79.1	79.0	78.9	78.9	79.6	80.4	81.1	81.4	81.8	81.7	81.5	81.0	80.4	79.9	79.7	79.6	79.5	79.4	79.5	79.4	79.9
Normals 1871–1910.	78.9	78.8	78.7	78.7	78.5	78.5	78.4	78.4	78.5	79.1	79.8	80.5	81.1	81.4	81.5	81.4	80.9	80.4	80.0	79.7	79.4	79.2	79.1	78.9	78.8	79.6

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). NOVEMBER, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	87	85	85	83	83	87	87	89	90	78	75	68	63	61	58	61	72	76	81	83	86	90	90	89	89	79.5
2	89	89	86	84	88	89	90	90	87	84	81	77	74	74	73	77	86	88	94	94	93	95	91	90	93	86.0
3	93	93	94	94	95	93	95	96	95	91	88	82	79	85	76	76	79	74	75	77	78	78	77	77	77	84.7
4	77	84	89	92	94	93	84	82	86	81	70	65	69	68	69	68	71	74	76	77	79	92	90	91	87	80.2
5	87	83	84	85	87	87	82	70	74	69	62	57	67	53	51	51	71	71	64	58	60	70	73	74	71	70.1
6	71	71	76	80	78	81	86	81	78	76	73	68	63	63	65	57	62	65	73	77	75	74	81	81	83	73.3
7	83	84	85	85	85	85	86	86	85	81	81	77	78	74	71	67	71	75	83	85	84	84	83	81	79	80.8
8	79	82	90	89	89	89	84	87	86	76	77	80	78	77	70	65	68	74	74	77	77	79	79	78	79	79.3
9	79	78	82	77	89	91	92	92	89	87	86	82	78	69	66	75	77	79	82	83	83	86	88	87	85	82.5
10	85	87	85	88	86	89	90	91	88	86	86	91	91	91	91	91	88	90	87	87	87	88	89	88	89	88.4
11	89	91	90	90	90	90	88	89	87	89	86	83	79	72	72	77	81	88	93	91	91	89	93	93	95	86.9
12	95	95	97	95	95	93	88	85	85	82	82	88	86	73	78	75	78	69	71	71	73	73	72	72	71	81.6
13	71	72	73	72	73	73	73	78	85	88	81	79	76	76	79	79	78	81	81	80	80	82	84	84	85	78.6
14	85	88	87	88	84	84	84	80	83	81	77	76	78	76	77	76	81	83	85	87	88	86	84	82	83	82.4
15	83	85	88	86	82	78	82	80	79	79	77	75	74	70	74	83	86	85	85	85	84	80	85	91	89	81.7
16	89	82	82	84	79	79	77	81	91	86	87	81	88	81	74	70	76	78	84	82	83	84	84	87	90	82.0
17	90	92	95	94	95	92	89	87	89	86	80	71	71	71	68	67	71	82	82	83	83	82	81	88	79	82.6
18	79	85	89	90	91	90	92	91	92	90	91	89	91	94	93	88	90	86	85	82	77	76	77	76	77	86.8
19	77	77	76	76	78	77	76	72	72	68	71	71	77	84	84	85	87	86	86	82	81	81	83	79	80	78.6
20	80	83	84	82	82	83	83	87	86	83	82	78	77	75	74	71	74	73	73	74	76	79	82	80	79	79.2
21	79	78	78	81	81	78	78	80	81	77	72	64	62	53	60	58	60	60	66	67	69	73	73	73	72	70.8
22	72	74	76	78	76	78	80	80	81	82	83	87	84	78	78	82	80	81	82	81	81	82	82	78	78	80.0
23	78	77	80	78	81	71	72	70	73	73	73	71	68	70	73	72	79	79	77	76	76	74	76	74	74	74.5
24	74	74	75	75	76	75	76	76	76	73	73	71	70	67	69	69	70	69	70	71	71	70	68	68	69	71.8
25	69	72	71	70	68	70	70	71	74	74	70	70	68	67	69	70	69	69	70	73	72	70	76	80	82	71.2
26	82	81	78	79	80	80	82	84	85	83	83	77	73	63	68	80	91	84	79	83	81	83	87	86	87	80.6
27	87	85	90	88	91	89	88	89	89	89	90	86	89	86	82	84	85	85	83	85	85	87	90	91	92	87.3
28	92	90	93	89	90	85	87	86	87	90	92	90	92	90	91	93	90	92	96	94	95	95	95	94	94	91.2
29	94	92	92	93	94	93	93	92	93	94	88	83	77	74	77	79	85	93	95	93	94	92	93	91	93	89.3
30	93	94	96	95	96	95	95	95	95	93	92	89	89	88	90	90	91	91	90	89	89	89	90	89	89	91.7
Mean ...	82.9	83.4	84.9	84.7	85.2	84.6	84.3	83.9	84.7	82.3	80.3	77.5	77.0	74.1	74.0	74.5	78.2	79.3	80.7	80.9	81.0	82.1	83.2	83.1	83.0	81.1
Normals 1886-1910.	89.4	89.2	89.7	89.7	89.8	89.4	90.0	89.6	89.6	87.9	86.4	83.6	81.3	79.4	78.9	79.2	81.9	84.0	85.6	86.3	87.4	87.7	88.5	88.7	89.2	86.4

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** NOVEMBER, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+\ldots+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE* and TEMPERATURE.† NOVEMBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	.9876	.9780	81.3	76.3	9	.9754	.9654	75.6	71.8	17	.9620	.9500	79.6	76.3	25	.9937	.9912	77.6	73.3
2	.9795	.9754	81.3	76.3	10	.9796	.9754	77.8	71.9	18	.9510	.9493	77.5	73.5	26	.9945	.9912	77.8	74.0
3	.9806	.9638	83.1	75.9	11	.9801	.9739	79.7	72.3	19	.9641	.9502	79.2	74.2	27	.9912	.9792	75.8	72.6
4	.9738	.9530	82.6	78.1	12	.9739	.9588	78.9	74.4	20	.9767	.9641	77.5	71.3	28	.9874	.9788	77.4	72.2
5	.9642	**.9462**	**84.2**	75.9	13	.9891	.9597	82.0	76.1	21	.9764	.9706	76.1	**70.4**	29	**.9990**	.9872	79.1	72.1
6	.9781	.9642	78.7	75.7	14	.9897	.9842	83.4	76.7	22	.9818	.9710	76.4	73.9	30	.9967	.9885	80.3	71.8
7	.9778	.9623	81.3	76.0	15	.9844	.9624	82.1	79.5	23	.9911	.9818	77.4	72.3					
8	.9663	.9626	79.3	73.6	16	.9628	.9592	81.7	78.5	24	.9926	.9904	77.3	73.5	Mean	—	—	79.4	74.3

TABLE II.

ESKDALEMUIR. NOVEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.
The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	.9813	.9819	.9828	.9835	.9839	.9850	.9857	.9865	.9869	.9875	.9874	.9873	.9871	.9865	.9858	.9850	.9845	.9840	.9836	.9828	.9820	.9811	.9801	.9793	.9780	.9842
2	.9780	.9774	.9771	.9769	.9762	.9763	.9764	.9769	.9773	.9769	.9775	.9772	.9767	.9762	.9761	.9758	.9757	.9761	.9767	.9772	.9779	.9782	.9788	.9794	.9794	.9771
3	.9794	.9797	.9803	.9805	.9803	.9799	.9788	.9781	.9774	.9760	.9754	.9738	.9720	.9706	.9691	.9678	.9661	.9650	.9644	.9640	.9647	.9657	.9666	.9672	.9676	.9724
4	.9676	.9656	.9677	.9675	.9678	.9681	.9692	.9692	.9704	.9713	.9724	.9727	.9732	.9734	.9731	.9730	.9714	.9704	.9686	.9663	.9651	.9615	.9597	.9560	.9530	.9681
5	.9530	.9517	.9506	.9517	.9507	.9502	.9500	.9498	.9493	.9489	.9487	.9479	.9472	.9468	.9469	.9482	.9502	.9525	.9540	.9568	.9601	.9610	.9615	.9634	.9642	.9524
6	.9642	.9647	.9648	.9652	.9657	.9660	.9662	.9662	.9668	.9673	.9674	.9681	.9684	.9686	.9691	.9697	.9706	.9720	.9735	.9748	.9760	.9766	.9780	.9779	.9777	.9698
7	.9777	.9774	.9777	.9778	.9772	.9764	.9760	.9757	.9761	.9762	.9761	.9758	.9756	.9748	.9742	.9737	.9723	.9716	.9696	.9676	.9656	.9641	.9627	.9625	.9626	.9728
8	.9626	.9631	.9637	.9641	.9643	.9642	.9644	.9649	.9645	.9645	.9651	.9646	.9650	.9647	.9649	.9650	.9652	.9655	.9659	.9660	.9661	.9660	.9660	.9659	.9659	.9649
9	.9659	.9655	.9658	.9656	.9655	.9657	.9659	.9663	.9671	.9679	.9683	.9685	.9689	.9692	.9696	.9702	.9712	.9719	.9724	.9730	.9735	.9737	.9743	.9750	.9754	.9694
10	.9754	.9754	.9756	.9760	.9761	.9763	.9765	.9766	.9774	.9780	.9777	.9778	.9778	.9782	.9777	.9778	.9780	.9783	.9786	.9788	.9791	.9794	.9795	.9795	.9796	.9777
11	.9796	.9793	.9793	.9792	.9793	.9793	.9793	.9796	.9798	.9799	.9800	.9799	.9795	.9793	.9789	.9787	.9786	.9783	.9779	.9777	.9768	.9763	.9757	.9744	.9739	.9785
12	.9739	.9727	.9717	.9705	.9694	.9688	.9675	.9667	.9662	.9658	.9653	.9643	.9637	.9630	.9621	.9613	.9608	.9602	.9595	.9593	.9590	.9590	.9589	.9591	.9597	.9642
13	.9597	.9606	.9617	.9629	.9641	.9654	.9667	.9686	.9702	.9723	.9734	.9745	.9759	.9773	.9790	.9802	.9818	.9832	.9848	.9862	.9871	.9878	.9882	.9886	.9891	.9756
14	.9891	.9894	.9896	.9895	.9884	.9877	.9867	.9864	.9858	.9850	.9853	.9850	.9848	.9850	.9849	.9847	.9844	.9852	.9857	.9860	.9856	.9856	.9854	.9850	.9844	.9862
15	.9844	.9835	.9828	.9822	.9814	.9800	.9794	.9782	.9777	.9761	.9754	.9748	.9732	.9719	.9708	.9693	.9685	.9673	.9663	.9654	.9643	.9635	.9632	.9628	.9624	.9730
16	.9624	.9616	.9619	.9621	.9621	.9626	.9620	.9620	.9611	.9603	.9597	.9597	.9598	.9598	.9594	.9594	.9598	.9602	.9609	.9612	.9616	.9621	.9624	.9622	.9620	.9611
17	.9620	.9613	.9610	.9611	.9600	.9590	.9581	.9576	.9568	.9559	.9551	.9544	.9528	.9521	.9520	.9516	.9517	.9518	.9512	.9507	.9504	.9500	.9503	.9503	.9506	.9546
18	.9506	.9507	.9507	.9504	.9505	.9504	.9505	.9506	.9507	.9505	.9507	.9506	.9504	.9498	.9493	.9494	.9497	.9498	.9501	.9502	.9506	.9507	.9506	.9508	.9509	.9504
19	.9509	.9506	.9506	.9505	.9503	.9503	.9506	.9508	.9511	.9516	.9523	.9532	.9538	.9545	.9550	.9555	.9566	.9576	.9584	.9595	.9605	.9613	.9624	.9630	.9641	.9549
20	.9641	.9648	.9656	.9652	.9653	.9654	.9660	.9678	.9699	.9716	.9712	.9720	.9729	.9731	.9734	.9739	.9745	.9746	.9751	.9757	.9757	.9765	.9766	.9763	.9764	.9714
21	.9764	.9762	.9759	.9759	.9758	.9754	.9751	.9747	.9742	.9738	.9736	.9734	.9724	.9716	.9715	.9711	.9711	.9709	.9711	.9711	.9713	.9713	.9713	.9713	.9714	.9731
22	.9714	.9711	.9715	.9717	.9715	.9718	.9715	.9720	.9726	.9734	.9739	.9746	.9750	.9751	.9756	.9765	.9766	.9773	.9789	.9794	.9799	.9806	.9811	.9815	.9818	.9754
23	.9818	.9824	.9828	.9832	.9833	.9839	.9848	.9855	.9866	.9871	.9876	.9877	.9876	.9877	.9876	.9882	.9887	.9893	.9898	.9902	.9905	.9907	.9910	.9910	.9911	.9872
24	.9911	.9910	.9909	.9906	.9904	.9907	.9910	.9911	.9917	.9919	.9919	.9920	.9917	.9916	.9916	.9913	.9913	.9911	.9917	.9916	.9917	.9917	.9920	.9921	.9924	.9914
25	.9924	.9922	.9922	.9923	.9920	.9917	.9918	.9924	.9928	.9921	.9929	.9927	.9926	.9928	.9928	.9926	.9926	.9927	.9930	.9930	.9929	.9930	.9931	.9933	.9937	.9926
26	.9937	.9936	.9938	.9936	.9935	.9937	.9934	.9936	.9938	.9938	.9943	.9944	9939	.9936	.9934	.9931	.9929	.9928	.9927	.9927	.9928	.9926	.9922	.9916	.9912	.9933
27	.9912	.9904	.9899	.9874	.9882	.9873	.9866	.9856	.9849	.9838	.9828	.9818	.9811	.9804	.9799	.9798	.9796	.9799	.9800	.9800	.9799	.9798	.9795	.9793	.9792	.9830
28	.9792	.9790	.9789	.9791	.9794	.9799	.9802	.9808	.9811	.9817	.9824	.9827	.9825	.9826	.9829	.9833	.9837	.9841	.9844	.9851	.9859	.9862	.9867	.9871	.9874	.9826
29	.9874	.9876	.9882	.9887	.9895	.9902	.9904	.9921	.9937	.9950	.9959	.9965	.9972	.9973	.9976	.9980	.9986	.9987	.9987	.9988	.9986	.9981	.9980	.9974	.9967	.9949
30	.9967	.9959	.9952	.9943	.9940	.9932	.9926	.9923	.9923	.9921	.9921	.9921	.9918	.9910	.9908	.9908	.9906	.9906	.9906	.9906	.9906	.9904	.9903	.9897	.9885	.9919
Mean...	0.9 7477	0.9 7454	0.9 7468	0.9 7464	0.9 7454	0.9 7449	0.9 7444	0.9 7462	0.9 7487	0.9 7494	0.9 7506	0.9 7500	0.9 7482	0.9 7462	0.9 7450	0.9 7450	0.9 7458	0.9 7476	0.9 7494	0.9 7506	0.9 7519	0.9 7515	0.9 7520	0.9 7510	0.9 7501	0.9 7480
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(23495—24.) Wt. 41466—310. 375. 4/12 D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* NOVEMBER, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	8·5	—	4·9	—	6·7	—	7·2	—	4·9	—	3·6	—	1·8	—	3·1	—	5·8	—	6·7	—	8·1	—	7·6
2	—	13·4	—	12·5	—	10·3	—	8·9	—	7·6	—	8·5	—	7·2	—	8·1	—	10·3	—	9·8	—	9·8	—	11·2
3	—	7·2	—	8·1	—	5·4	—	4·0	—	4·5	—	4·5	—	7·2	—	8·1	—	12·1	—	13·4	—	16·1	—	17·9
4	—	13·0	—	12·1	—	14·3	—	13·9	—	13·9	—	13·0	—	13·4	—	12·5	—	10·3	—	12·5	—	11·6	—	12·1
5	—	18·8	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	23·3	—	24·1	—	26·8
6	—	13·0	—	13·0	—	12·5	—	10·7	—	10·7	—	11·2	—	9·8	—	9·8	—	9·4	—	10·7	—	7·6	—	9·8
7	—	11·2	—	10·3	—	7·6	—	7·2	—	9·8	—	11·2	—	13·0	—	9·8	—	7·6	—	10·7	—	9·8	—	6·3
8	—	12·5	—	11·6	—	11·6	—	9·8	—	8·5	—	8·5	—	8·1	—	8·9	—	8·9	—	8·5	—	10·7	—	8·1
9	—	4·9	—	3·1	—	3·1	—	1·8	—	1·3	—	0·5	—	0·5	—	0·5	—	1·3	—	2·2	—	3·1	—	3·6
10	—	3·1	—	2·7	—	3·1	—	4·9	—	3·6	—	4·5	—	6·3	—	5·4	—	4·5	—	4·9	—	5·4	—	4·5
11	—	0·0	—	0·5	—	0·9	—	0·0	—	1·3	—	0·9	—	1·3	—	1·3	—	0·9	—	0·9	—	1·8	—	3·6
12	—	4·5	—	4·0	—	4·0	—	4·0	—	5·4	—	5·8	—	6·3	—	6·7	—	5·8	—	6·3	—	7·2	—	6·7
13	—	2·2	—	1·8	—	3·6	—	5·8	—	5·4	—	5·8	—	2·7	—	6·3	—	3·6	—	4·9	—	7·2	—	8·1
14	—	6·3	—	2·7	—	2·7	—	4·5	—	6·3	—	7·2	—	5·8	—	5·4	—	8·1	—	11·6	—	11·6	—	11·2
15	—	11·2	—	10·3	—	8·1	—	7·2	—	6·3	—	6·3	—	2·7	—	3·6	—	1·3	—	1·3	—	3·6	—	3·6
16	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	†	—	12·5	—	13·0	—	12·5
17	—	12·5	—	10·3	—	4·5	—	6·7	—	4·0	—	0·9	—	2·7	—	3·6	—	4·5	—	5·8	—	4·5	—	7·6
18	—	4·9	—	5·4	—	6·3	—	5·4	—	6·3	—	6·3	—	5·4	—	7·2	—	7·6	—	7·2	—	7·6	—	7·2
19	—	6·3	—	8·5	—	8·5	—	9·8	—	9·8	—	8·9	—	8·5	—	8·5	—	9·4	—	8·1	—	7·6	—	6·7
20	—	10·3	—	9·8	—	11·6	—	13·9	—	15·7	—	17·9	—	15·7	—	13·0	—	6·7	—	7·6	—	5·8	—	5·8
21	—	7·2	—	8·9	—	7·2	—	7·2	—	8·5	—	6·7	—	7·6	—	7·2	—	8·9	—	8·5	—	7·6	—	8·9
22	—	7·6	—	6·7	—	7·2	—	6·7	—	8·1	—	8·9	—	8·1	—	7·6	—	8·5	—	8·5	—	8·9	—	8·5
23	—	4·5	—	5·8	—	3·1	—	4·9	—	3·1	—	3·6	—	6·7	—	3·1	—	2·2	—	3·6	—	3·6	—	4·0
24	—	3·6	—	3·6	—	5·4	—	4·5	—	4·9	—	5·4	—	5·8	—	6·3	—	4·9	—	5·4	—	6·3	—	6·7
25	—	5·8	—	4·5	—	4·0	—	5·8	—	0·9	—	1·8	—	2·2	—	3·6	—	5·4	—	4·0	—	5·4	—	6·7
26	—	2·2	—	3·1	—	2·7	—	3·1	—	2·7	—	4·5	—	5·4	—	6·3	—	8·1	—	5·8	—	4·5	—	6·3
27	—	8·1	—	8·5	—	9·8	—	10·3	—	8·9	—	10·7	—	10·3	—	8·9	—	9·4	—	9·4	—	8·5	—	7·2
28	—	4·5	—	4·9	—	4·9	—	5·4	—	4·5	—	3·1	—	3·6	—	4·5	—	4·9	—	5·4	—	6·3	—	8·9
29	—	2·7	—	4·0	—	3·6	—	4·0	—	3·1	—	4·5	—	3·6	—	4·0	—	1·8	—	0·5	—	0·9	—	2·2
30	—	0·5	—	2·2	—	4·9	—	4·5	—	4·9	—	4·5	—	4·5	—	4·9	—	4·5	—	3·1	—	3·1	—	3·6
Mean ...	—	7·3‡	—	6·6§	—	6·3§	—	6·5§	—	6·2§	—	6·4§	—	6·3§	—	6·4§	—	6·3§	—	7·4	—	7·7	—	8·1
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Days.	13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
1	—	7·2	—	8·1	—	8·5	—	8·1	—	8·5	—	6·7	—	7·2	—	8·5	—	11·2	—	12·5	—	13·0	—	13·4	7·6	1
2	—	11·2	—	10·3	—	9·4	—	11·2	—	8·9	—	7·2	—	6·7	—	5·4	—	6·3	—	6·3	—	4·9	—	8·9	8·9	2
3	—	17·4	—	17·9	—	17·0	—	17·9	—	17·4	—	16·5	—	17·9	—	12·1	—	8·5	—	8·5	—	8·9	—	10·3	11·6	3
4	—	13·0	—	12·5	—	11·6	—	14·8	—	13·9	—	*14·3*	—	*14·8*	—	*15·2*	—	15·7	—	15·2	—	14·3	—	17·4	13·6	4
5	—	27·7	—	26·8	—	24·1	—	22·8	—	18·8	—	18·3	—	19·7	—	15·7	—	17·4	—	15·7	—	14·3	—	12·5	?	5
6	—	10·3	—	10·7	—	10·3	—	11·6	—	10·7	—	9·8	—	9·4	—	6·7	—	7·2	—	5·8	—	5·8	—	4·5	9·6	6
7	—	9·8	—	9·8	—	6·3	—	7·6	—	5·8	—	6·3	—	9·4	—	8·9	—	12·1	—	12·5	—	13·0	—	12·1	9·5	7
8	—	7·6	—	6·7	—	6·7	—	4·9	—	4·0	—	4·0	—	4·0	—	4·0	—	2·7	—	3·1	—	2·2	—	3·6	7·1	8
9	—	4·5	—	5·4	—	4·0	—	3·6	—	2·2	—	1·8	—	2·7	—	1·8	—	2·7	—	3·6	—	0·9	—	1·3	2·5	9
10	—	4·9	—	6·3	—	6·3	—	4·0	—	5·4	—	4·9	—	4·9	—	2·7	—	1·3	—	3·6	—	4·9	—	0·9	4·3	10
11	—	4·5	—	3·6	—	2·7	—	2·2	—	3·6	—	4·0	—	3·1	—	4·5	—	5·8	—	3·1	—	3·6	—	2·7	2·4	11
12	—	6·3	—	6·7	—	8·1	—	8·5	—	7·6	—	6·7	—	5·8	—	5·4	—	4·9	—	3·6	—	4·5	—	3·6	5·8	12
13	—	8·5	—	8·9	—	8·9	—	9·4	—	9·8	—	9·4	—	5·4	—	6·7	—	7·6	—	8·9	—	9·8	—	8·9	6·7	13
14	—	10·3	—	9·4	—	9·4	—	12·5	—	12·5	—	13·0	—	11·2	—	11·6	—	11·6	—	12·5	—	13·9	—	12·1	9·3	14
15	—	1·3	—	0·9	—	1·3	—	2·2	—	2·7	—	2·2	—	0·5	—	1·8	—	0·9	—	0·9	—	1·3	—	3·6	3·5	15
16	—	14·3	—	13·0	—	13·0	—	11·6	—	12·5	—	13·0	—	11·2	—	10·7	—	11·2	—	10·7	—	10·3	—	11·6	?	16
17	—	8·9	—	10·3	—	5·4	—	5·4	—	4·5	—	0·9	—	2·2	—	2·7	—	2·7	—	3·1	—	3·1	—	4·9	5·1	17
18	—	5·4	—	6·3	—	4·5	—	4·0	—	4·5	—	7·2	—	6·7	—	6·7	—	6·7	—	6·3	—	5·8	—	6·3	6·1	18
19	—	6·7	—	8·1	—	8·5	—	8·5	—	9·4	—	8·9	—	9·4	—	8·9	—	9·4	—	10·3	—	9·8	—	9·8	8·7	19
20	—	7·2	—	6·3	—	4·9	—	4·9	—	6·7	—	6·7	—	5·8	—	7·6	—	5·4	—	4·0	—	5·8	—	7·2	8·6	20
21	—	11·2	—	11·2	—	11·2	—	9·8	—	10·7	—	10·7	—	10·7	—	10·3	—	10·7	—	9·4	—	8·9	—	8·5	9·1	21
22	—	8·9	—	6·3	—	6·3	—	6·7	—	7·2	—	5·8	—	6·7	—	6·7	—	6·7	—	7·2	—	6·7	—	6·7	7·4	22
23	—	4·0	—	4·0	—	3·6	—	2·2	—	1·8	—	3·6	—	4·9	—	4·0	—	4·0	—	2·2	—	2·2	—	2·2	3·6	23
24	—	7·2	—	7·6	—	6·3	—	4·5	—	4·5	—	3·6	—	5·8	—	6·3	—	5·4	—	5·4	—	4·9	—	5·8	5·4	24
25	—	7·2	—	6·7	—	5·8	—	4·5	—	4·9	—	3·1	—	3·6	—	4·0	—	3·1	—	4·0	—	3·6	—	3·1	4·3	25
26	—	7·6	—	7·6	—	7·6	—	7·6	—	8·5	—	8·9	—	8·5	—	8·5	—	8·9	—	8·1	—	8·5	—	8·5	6·4	26
27	—	4·9	—	4·9	—	4·5	—	4·0	—	4·5	—	4·5	—	4·9	—	4·5	—	3·1	—	3·1	—	2·7	—	3·1	6·6	27
28	—	8·5	—	8·9	—	7·6	—	5·4	—	5·4	—	7·2	—	6·3	—	4·0	—	4·5	—	4·5	—	1·8	—	1·3	5·3	28
29	—	1·3	—	2·7	—	1·3	—	1·8	—	0·9	—	1·3	—	1·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	2·0	29
30	—	6·7	—	5·8	—	4·9	—	5·8	—	5·4	—	5·4	—	5·8	—	5·4	—	6·3	—	5·4	—	4·9	—	8·1	4·8	30
Mean ...	—	8·5	—	8·5	—	7·7	—	7·6	—	7·4	—	7·2	—	7·2	—	6·7	—	6·8	—	6·7	—	6·5	—	6·8	7·0	
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.
† No record. ‡ Mean for 29 days only. § Mean for 28 days only.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. NOVEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·02	1·52	1·78	1·78	4·32	10·67
2	4·57	2·29	1·78	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	0·76	1·02	—	—	—	—	11·94
3	—	—	—	—	—	—	—	0·25	—	0·51	0·76	3·81	2·03	3·30	2·29	3·56	4·57	1·78	1·52	2·03	—	—	—	—	26·41
4	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	—	—	0·51	2·03	2·03	4·32	3·81	4·06	17·77
5	1·02	—	—	—	0·25	—	—	—	—	—	—	—	0·25	1·02	1·78	1·78	0·76	1·78	1·02	1·27	0·76	0·25	0·25	0·76	12·95
6	0·51	—	—	—	—	—	—	—	—	—	—	—	0·25	0·76	0·25	0·51	0·25	—	—	—	—	—	0·51	—	3·04
7	—	—	—	0·25	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	2·29	1·27	6·86	2·79	0·25	—	14·22
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76	0·25	—	0·51	0·25	0·25	0·51	2·53
9	0·76	0·51	0·25	0·25	0·25	0·25	0·25	0·51	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·79
10	—	—	—	—	—	—	—	—	—	—	—	—	1·02	0·76	2·03	—	0·25	—	—	—	—	—	0·51	—	4·57
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	0·51	0·51	0·25	—	—	—	—	—	—	—	—	0·25	—	0·76	2·29	2·29	6·86
13	0·76	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	2·03
14	—	—	—	—	2·03	1·27	1·02	1·78	2·03	2·29	3·81	2·54	1·52	1·78	2·03	0·76	1·78	2·03	—	0·25	0·51	0·51	—	—	27·94
15	—	—	0·25	0·51	—	—	—	—	0·51	—	0·25	0·25	—	—	—	0·51	0·51	0·51	—	—	—	—	—	—	3·30
16	0·51	—	—	—	—	—	—	0·25	0·51	0·51	0·25	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	2·53
17	—	—	—	0·25	—	—	0·76	1·02	1·02	3·30	2·54	1·78	0·25	—	—	0·76	0·76	0·25	0·51	—	—	—	—	—	13·20
18	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·50
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·56
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	0·25	0·25	—	0·25	—	—	0·51	—	0·25	0·76	—	—	—	0·25	0·51	—	3·03
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·25	0·51	0·51	0·76	0·76	3·55
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	0·76	0·51	0·51	0·51	0·51	0·51	0·51	1·27	0·51	0·51	0·25	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	7·11
28	—	—	—	1·02	0·25	0·25	0·25	—	—	—	—	—	—	2·03	—	—	—	—	—	—	—	—	—	—	3·80
29	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
30	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·51	0·25	0·76	0·76	0·76	0·25	—	1·02	0·25	4·81
Sum ...	8·89	4·32	2·79	4·30	3·54	2·28	2·79	5·08	6·10	7·88	8·11	8·88	5·57	10·66	9·65	8·64	9·89	9·64	8·38	10·15	12·95	11·42	11·94	12·95	190·36
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. NOVEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	·7	1·0	·9	1·0	·4	·1	—	—	—	—	—	—	—	4·1	●² 19h.–24h.
2	—	—	—	—	·2	·3	—	·1	—	—	—	—	—	—	—	—	—	0·6	●² early.
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●² and strong wind 10h.–20h.
4	—	—	—	—	—	—	·2	—	—	—	—	—	—	—	—	—	—	0·2	Strong wind ; ●² at night.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⸝ mid-day ; ● P.M.
6	—	—	—	—	—	·2	·6	·1	·6	·2	—	—	—	—	—	—	—	1·7	Fine to cloudy.
7	—	—	—	—	—	—	—	·2	·3	·9	·4	·1	—	—	—	—	—	1·9	⌒ about 13h.
8	—	—	—	—	·2	·1	·4	·7	·6	·4	·2	·4	·1	—	—	—	—	3·1	Day generally fine ; ● after 18h.
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✳ showers early.
10	—	—	—	—	·1	—	·2	·9	·6	·1	·3	—	—	—	—	—	—	2·2	Fair to showery.
11	—	—	—	—	—	·9	1·0	1·0	·9	·5	·1	·1	—	—	—	—	—	4·5	Sunny day, but air damp.
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●² after 22h.
13	—	—	—	—	·1	·1	—	·6	·1	·9	1·0	·3	—	—	—	—	—	3·1	Cloudy to fair.
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Stormy throughout.
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and wet.
16	—	—	—	—	—	—	—	—	·1	·1	—	—	—	—	—	—	—	0·2	Wet and stormy 0h.–15h.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Frequent ●.
18	—	—	—	—	—	—	·1	·5	·9	·5	·7	1·0	·1	—	—	—	—	3·8	Dull early ; finer later.
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, and showery between 12h.–24h.
20	—	—	—	—	—	·7	·5	—	—	·9	1·0	·7	—	—	—	—	—	3·8	Strong gusty wind early ; fine at night.
21	—	—	—	—	·1	·9	1·0	1·0	1·0	·5	·8	·9	·1	—	—	—	—	6·3	Very fine day.
22	—	—	—	—	—	·4	·9	·7	·2	·5	·2	—	—	—	—	—	—	2·9	Occasional showers of ✳ and sleet.
23	—	—	—	—	·1	·2	·2	·9	·7	·5	·7	—	—	—	—	—	—	3·3	⸝, ✳⁰.
24	—	—	—	—	—	—	—	·1	—	·1	·1	·7	—	—	—	—	—	1·0	⸝⁰.
25	—	—	—	—	·1	·4	·1	·2	·2	—	·1	—	—	—	—	—	—	1·1	Cloudy to fine.
26	—	—	—	—	—	·7	1·0	·3	·6	·9	·5	·3	—	—	—	—	—	4·3	Fine to dull, with ●⁰ ; sleet shower at 15h.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	● till 14h. ; ✳⁰ late P.M.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●⁰ and ✳⁰ early A.M.
29	—	—	—	—	—	—	·1	·1	—	—	·1	—	—	—	—	—	—	0·3	⸝ 18h. 30m. to 19h.
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⸝ ; ● after 16h.
	—	—	—	—	1·6	5·9	7·2	8·4	7·2	7·1	6·2	4·5	0·3	—	—	—	—	48·4	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE† IN DEGREES ABSOLUTE,—DRY-BULB. NOVEMBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	79°·1	78°·5	77°·5	78°·1	77°·5	77°·1	77°·0	76°·5	77°·5	79°·3	79°·9	80°·6	81°·0	80°·9	81°·3	81°·1	80°·9	80°·7	80°·7	80°·8	81°·0	81°·0	81°·0	80°·8	81°·0	79°·6
2	81·0	81·2	81·2	80·8	80·3	80·1	79·8	79·1	79·5	80·1	80·3	80·7	80·9	81·0	80·7	80·3	80·2	79·7	78·1	78·0	77·6	78·0	77·7	76·3	77·0	79·6
3	77·0	77·2	77·2	77·4	76·4	76·8	76·3	79·5	79·7	80·7	80·4	80·8	80·7	80·3	80·6	81·1	81·5	81·8	82·5	82·9	81·7	80·8	80·2	79·7	79·1	79·8
4	79·1	79·4	79·2	79·1	78·8	78·8	78·5	78·6	78·6	79·0	79·6	79·2	80·0	80·0	80·1	79·6	79·9	80·1	80·3	80·3	80·1	80·7	80·7	81·0	82·6	79·7
5	82·6	84·2	83·4	81·0	80·7	79·8	79·2	78·8	79·1	79·3	79·2	79·2	78·9	78·8	78·7	78·6	78·4	78·2	78·0	77·7	77·5	77·3	77·8	75·9	76·9	79·1
6	76·9	77·0	76·7	76·3	76·2	76·2	76·4	76·1	76·5	76·7	77·5	77·8	77·9	78·5	78·5	78·1	78·0	77·9	77·8	77·6	77·0	76·8	76·5	75·9	76·4	77·1
7	76·4	76·4	76·3	76·3	76·8	77·5	78·0	77·9	78·2	78·5	78·7	79·0	80·2	80·2	79·9	79·9	79·7	79·1	79·2	79·5	79·8	79·6	80·2	79·9	78·5	78·7
8	78·5	77·8	77·0	76·7	76·5	76·5	76·4	76·2	76·0	76·0	77·0	77·8	77·4	77·1	77·2	77·1	75·6	74·3	74·3	74·2	74·0	74·2	73·9	73·9	74·1	76·0
9	74·1	74·0	73·7	73·7	73·8	73·8	74·1	74·2	74·6	74·8	74·7	75·5	75·2	75·5	75·3	75·0	74·9	74·2	73·5	73·1	73·4	74·0	73·4	72·4	72·4	74·2
10	72·4	72·7	72·5	72·2	72·8	72·5	74·0	74·8	75·2	75·7	76·2	77·4	77·4	75·9	76·7	74·8	76·0	76·5	75·9	76·0	75·6	75·0	75·4	75·6	75·8	75·0
11	75·8	75·5	73·9	73·0	74·0	72·9	72·6	73·7	73·5	73·8	76·4	78·1	79·0	79·3	78·0	78·3	77·6	75·2	75·3	75·2	74·8	73·6	74·0	74·0	74·5	75·3
12	74·5	75·0	75·2	75·2	75·5	75·7	76·2	76·4	76·9	77·2	77·6	78·2	78·4	78·5	78·4	78·1	78·1	78·2	78·5	78·6	78·7	78·8	78·8	78·8	78·7	77·4
13	78·7	78·7	78·5	78·1	78·5	78·5	77·4	76·1	77·9	77·4	79·0	80·1	80·2	81·3	81·8	79·5	79·3	78·6	78·6	77·5	77·5	77·0	77·3	77·3	77·5	78·5
14	77·5	77·9	76·9	77·1	77·8	77·6	77·7	77·9	78·3	79·7	81·6	82·4	82·8	83·0	83·2	83·4	83·1	83·2	83·3	83·3	82·9	82·8	82·5	82·4	82·0	80·9
15	82·0	82·0	82·0	81·8	81·7	81·4	81·5	80·6	80·3	80·3	80·5	80·7	80·9	80·6	80·6	79·9	79·8	79·7	79·9	79·9	80·0	80·0	80·1	80·4	80·8	80·7
16	80·8	81·5	81·4	81·3	81·0	80·9	80·2	79·6	79·3	79·8	81·2	81·3	81·1	80·9	80·2	79·9	80·1	79·7	79·1	78·9	78·7	78·8	79·0	78·7	79·1	80·1
17	79·1	78·6	78·2	77·5	78·4	78·5	78·1	78·1	78·7	78·8	77·9	76·7	77·6	79·2	79·6	78·7	78·4	77·4	77·2	77·0	77·4	77·3	77·3	77·1	76·5	78·0
18	76·5	75·7	76·0	76·2	76·0	75·9	76·0	75·6	75·2	75·2	75·6	76·3	76·8	76·8	76·3	75·6	74·3	74·1	74·1	74·0	74·1	74·1	74·2	74·1	74·2	75·3
19	74·2	74·5	75·7	75·4	75·8	75·9	76·3	76·8	76·6	77·2	78·0	78·5	78·5	78·2	79·1	79·1	78·6	78·6	78·5	77·4	77·9	78·4	78·0	77·5	76·9	77·3
20	76·9	77·0	76·6	76·8	77·0	77·3	77·4	76·9	76·4	76·2	76·4	76·3	76·4	77·2	77·3	76·4	75·6	74·9	73·9	73·6	74·1	72·7	71·4	72·0	71·9	75·6
21	71·9	71·9	72·3	71·3	71·9	72·2	71·8	71·8	71·3	72·8	73·6	75·0	75·4	75·1	75·4	75·1	74·7	75·0	75·1	74·7	74·7	74·6	74·6	74·3	74·3	73·7
22	74·3	74·0	74·2	74·3	74·1	74·4	74·5	74·2	74·8	75·4	75·7	74·7	75·7	76·3	75·9	74·7	75·2	74·6	74·2	74·8	74·3	74·5	74·7	74·6	74·6	74·8
23	74·6	74·1	74·6	74·1	73·7	73·0	73·5	73·6	72·9	73·0	74·9	75·9	76·3	76·2	77·2	75·9	75·3	74·7	75·3	75·4	75·2	75·2	75·1	74·7	74·1	74·8
24	74·1	74·2	74·3	74·5	74·8	75·2	76·2	75·4	75·6	75·6	76·2	76·9	77·2	77·2	76·7	76·3	75·3	74·6	75·2	75·2	75·6	75·4	75·8	75·9	75·7	75·6
25	75·7	75·5	75·2	75·4	74·7	74·1	75·3	75·7	75·9	75·7	76·8	77·2	77·3	77·3	77·2	76·9	76·5	76·4	76·4	76·3	75·8	74·7	74·1	73·3	75·2	75·8
26	75·2	74·7	74·6	75·2	74·4	74·6	74·8	75·1	74·5	75·1	76·3	76·2	76·7	77·3	77·0	76·3	75·9	76·1	76·1	76·1	76·1	75·7	76·0	75·7	75·8	75·7
27	75·8	75·2	75·7	75·2	75·2	75·2	75·0	75·1	74·5	74·5	75·0	75·2	75·3	75·2	74·6	74·2	74·7	74·2	74·2	73·9	73·5	73·0	73·1	72·8	73·0	74·5
28	73·0	73·5	73·7	74·0	74·7	74·3	74·2	74·6	74·9	74·8	*74·9*	*75·6*	*76·1*	*76·5*	*77·0*	77·1	*77·0*	*76·9*	*76·8*	*76·8*	*76·7*	76·7	*76·5*	*76·4*	*76·3*	75·6
29	*76·3*	*76·2*	*76·1*	*76·0*	*75·9*	*75·8*	*75·7*	*75·6*	*75·5*	75·4	*76·4*	77·3	78·0	78·5	78·1	77·9	77·9	77·6	77·3	77·1	75·1	72·9	72·9	72·1	72·1	76·1
30	72·1	72·7	73·5	73·2	75·4	74·9	75·6	76·2	76·6	76·8	*77·5*	78·2	78·7	79·6	79·8	79·5	79·9	80·0	79·7	79·9	79·8	80·1	80·0	79·8	80·3	77·7
Mean ...	76·5	76·6	76·4	76·2	76·3	76·2	76·3	76·4	76·5	76·8	77·5	78·0	78·3	78·4	78·4	77·9	77·7	77·4	77·3	77·2	77·0	76·8	76·7	76·4	76·6	77·1
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). NOVEMBER, 1911.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	87	88	90	90	91	95	93	97	93	87	88	82	82	85	86	88	91	94	94	93	96	96	97	94	99	91·0
2	99	96	95	94	93	92	91	91	88	87	84	80	78	78	80	85	86	84	92	91	91	91	89	92	90	88·4
3	90	89	93	94	93	99	98	87	88	86	100	98	100	99	99	100	100	98	100	100	95	85	86	85	85	94·1
4	85	80	85	83	88	80	80	77	83	76	77	81	75	78	81	87	90	86	91	91	94	95	100	100	100	85·5
5	100	96	92	88	84	80	76	72	68	63	64	65	72	79	82	85	85	85	85	84	84	84	81	94	84	80·8
6	84	81	79	80	83	84	84	86	89	87	89	88	85	87	86	90	83	80	79	81	82	85	83	88	88	84·4
7	88	89	86	92	92	90	90	86	89	88	85	83	84	82	83	88	90	88	91	89	92	92	93	82	86	88·0
8	86	81	83	80	79	81	81	77	80	80	81	76	84	78	77	76	80	83	87	87	88	88	90	90	89	82·2
9	89	91	90	91	92	93	90	90	89	88	89	86	87	86	86	85	85	84	80	82	81	80	78	74	71	85·7
10	71	78	78	81	75	74	81	84	85	86	84	86	86	90	86	96	87	89	89	89	90	88	91	89	91	85·2
11	91	92	91	87	89	84	90	89	88	86	83	82	86	82	88	84	90	91	94	95	95	92	91	89	91	88·7
12	91	90	91	92	90	92	92	91	91	91	95	91	88	86	87	91	91	93	93	96	96	96	95	92	90	91·7
13	90	91	91	90	86	85	84	87	83	87	85	78	76	74	69	78	83	87	84	88	81	82	84	82	84	83·4
14	84	82	88	92	92	95	95	95	96	97	97	98	97	100	98	97	100	98	98	99	100	99	99	93	91	95·1
15	91	92	91	88	87	87	84	89	87	90	89	88	86	87	87	89	90	92	91	92	90	93	94	94	93	89·5
16	93	90	84	85	85	79	91	91	91	97	93	86	80	79	84	82	74	76	77	76	78	78	76	79	83	83·3
17	83	84	84	94	88	92	93	95	91	90	84	86	92	91	84	85	93	90	92	91	90	90	90	92	89	89·4
18	89	87	92	92	90	89	89	88	84	82	77	74	72	67	66	69	74	74	71	75	76	75	71	69	70	78·5
19	70	68	71	78	77	82	83	84	87	87	83	86	88	91	87	86	84	86	86	93	91	86	84	83	83	83·7
20	83	80	80	77	75	72	74	76	74	72	73	72	73	69	69	70	74	70	69	70	80	72	68	66	66	72·9
21	66	71	72	76	80	79	82	82	84	83	89	80	88	91	96	94	72	68	77	74	73	73	73	76	76	79·3
22	76	80	78	78	79	77	77	78	75	79	79	88	85	80	85	89	84	83	88	80	86	85	89	92	88	82·3
23	88	88	83	81	87	87	82	83	79	86	85	87	83	85	79	87	86	83	81	79	81	80	76	74	74	82·6
24	74	76	77	76	78	75	70	78	77	77	74	74	72	72	73	73	76	80	79	77	78	79	77	77	77	75·8
25	77	78	80	79	80	79	79	77	77	81	76	73	73	71	73	74	74	75	76	77	82	81	82	84	84	78·0
26	84	83	92	83	84	87	87	84	82	84	81	84	81	76	80	82	83	85	88	88	87	89	89	89	89	84·8
27	89	90	90	91	90	89	94	91	92	91	88	90	90	90	90	89	84	84	79	83	80	79	98	93	88	88·5
28	88	90	88	84	90	95	96	92	96	97	*97*	*97*	*96*	*96*	*96*	95	*95*	*95*	*95*	*95*	*95*	94	*94*	*94*	*94*	93·9
29	*94*	*94*	*95*	*95*	*95*	*95*	*96*	*96*	*96*	96	*95*	94	92	86	90	91	92	92	94	97	94	90	88	91	89	93·1
30	89	92	90	93	92	94	95	92	92	93	*90*	89	87	84	84	90	91	90	94	96	93	94	94	97	93	91·6
Mean ...	85·6	85·6	86·0	86·1	86·1	86·1	86·6	86·2	85·8	85·8	85·1	84·1	83·9	83·3	83·7	85·8	85·6	85·4	86·5	86·9	87·3	86·4	86·7	86·5	85·8	85·7
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly values from Autographic Records. Meteorological Section.

Long. 10° 15′ W., Lat. 51° 56′ N. **VALENCIA.** DECEMBER, 1911.

Heights above Mean Sea Level: Station, H = 9·2m. Barometer Cistern, H_b = 13·7m.

Heights above Ground: Thermometers, h_t = 1·2m. Rain-gauge, h_r = 0·6m. Sunshine Recorder, h_s = 12·8m. Cups of Anemometer, h_a = 13·7m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

VALENCIA. DAILY EXTREMES of PRESSURE* and TEMPERATURE†. DECEMBER, 1911.

Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.	Day.	Pressure. Max.	Pressure. Min.	Temperature. Max.	Temperature. Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0129	·0017	84·0	79·6	9	·9983	·9880	81·1	77·0	17	·9939	·9887	84·0	80·4	25	·0064	·9888	82·0	78·5
2	·0100	·9930	84·1	78·9	10	·9880	·9734	80·7	77·2	18	·9896	·9758	**84·8**	79·9	26	·0060	·9980	83·9	80·1
3	·0052	·0002	82·3	76·2	11	·9943	·9838	81·1	78·2	19	·9939	·9875	83·0	80·0	27	·0141	·0056	84·7	80·8
4	·0091	·9833	83·0	76·3	12	·9943	·9859	83·2	80·4	20	·9972	·9869	82·1	79·0	28	·0154	·0136	84·1	83·2
5	·0109	·9872	81·3	78·2	13	·9873	**·9725**	82·2	79·3	21	·0084	·9852	81·4	78·9	29	·0141	·0096	83·9	81·3
6	·0118	·9881	82·5	76·6	14	·9927	·9873	80·6	77·3	22	·0126	·9820	80·5	76·2	30	·0205	·0131	82·5	80·0
7	·0073	·9953	80·6	76·2	15	·0012	·9910	81·3	77·8	23	·0155	·9933	83·2	**74·6**	31	**·0267**	·0199	84·1	80·7
8	·0031	·9846	81·3	77·3	16	·0009	·9898	84·1	80·4	24	·9963	·9885	83·3	75·7	Mean.	—	—	82·6	78·6

TABLE II.

VALENCIA. DECEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0129	·0117	·0112	·0104	·0094	·0087	·0080	·0068	·0061	·0052	·0043	·0043	·0034	·0022	·0019	·0021	·0037	·0050	·0063	·0073	·0078	·0089	·0093	·0097	·0099	·0069
2	·0099	·0097	·0087	·0086	·0075	·0059	·0053	·0040	·0025	·0011	·9996	·9987	·9966	·9947	·9932	·9940	·9960	·9968	·9981	·9992	·0003	·0011	·0011	·0010	·0010	·0012
3	·0010	·0007	·0010	·0008	·0016	·0019	·0023	·0025	·0030	·0031	·0038	·0040	·0038	·0038	·0034	·0037	·0037	·0041	·0042	·0045	·0036	·0042	·0041	·0043	·0048	·0031
4	·0048	·0057	·0065	·0071	·0075	·0081	·0087	·0089	·0088	·0088	·0080	·0070	·0049	·0023	·9991	·9955	·9921	·9888	·9871	·9860	·9845	·9839	·9842	·9850	·9872	·9989
5	·9872	·9886	·9899	·9911	·9925	·9936	·9947	·9958	·9971	·9980	·9996	·0006	·0015	·0021	·0031	·0038	·0048	·0057	·0067	·0081	·0089	·0094	·0099	·0105	·0109	·0006
6	·0109	·0111	·0115	·0116	·0115	·0113	·0106	·0102	·0093	·0088	·0072	·0060	·0044	·0020	·0000	·9970	·9950	·9923	·9904	·9886	·9905	·9916	·9926	·9941	·9953	·0021
7	·9953	·9964	·9972	·9983	·9995	·0004	·0010	·0017	·0031	·0037	·0047	·0050	·0055	·0058	·0061	·0062	·0066	·0067	·0069	·0070	·0070	·0065	·0056	·0043	·0031	·0035
8	·0031	·0015	·9997	·9974	·9947	·9921	·9894	·9871	·9863	·9859	·9861	·9860	·9856	·9852	·9851	·9846	·9853	·9850	·9867	·9880	·9898	·9919	·9927	·9934	·9945	·9900
9	·9945	·9954	·9956	·9960	·9964	·9970	·9971	·9975	·9980	·9981	·9982	·9983	·9981	·9976	·9965	·9958	·9951	·9943	·9938	·9925	·9919	·9909	·9900	·9892	·9880	·9952
10	·9880	·9866	·9846	·9824	·9804	·9790	·9775	·9766	·9756	·9750	·9749	·9746	·9737	·9734	·9740	·9746	·9762	·9773	·9788	·9799	·9811	·9822	·9828	·9831	·9838	·9788
11	·9838	·9846	·9852	·9858	·9861	·9865	·9871	·9878	·9886	·9891	·9901	·9905	·9906	·9907	·9913	·9918	·9922	·9927	·9930	·9933	·9935	·9937	·9939	·9940	·9943	·9900
12	·9943	·9940	·9942	·9941	·9940	·9936	·9932	·9932	·9927	·9929	·9927	·9926	·9919	·9915	·9910	·9907	·9905	·9899	·9896	·9891	·9888	·9884	·9876	·9869	·9859	·9914
13	·9859	·9851	·9838	·9823	·9808	·9794	·9777	·9768	·9759	·9750	·9739	·9735	·9727	·9725	·9729	·9738	·9749	·9773	·9800	·9816	·9831	·9840	·9853	·9863	·9873	·9790
14	·9873	·9877	·9883	·9890	·9890	·9896	·9897	·9899	·9901	·9912	·9918	·9925	·9926	·9924	·9927	·9926	·9922	·9921	·9916	·9912	·9909	·9910	·9909	·9911	·9910	·9908
15	·9910	·9911	·9914	·9922	·9925	·9928	·9934	·9937	·9943	·9945	·9953	·9956	·9958	·9959	·9966	·9971	·9975	·9980	·9986	·9993	·9999	·0006	·0011	·0011	·0009	·9960
16	·0009	·0007	·9999	·9995	·9984	·9977	·9967	·9964	·9956	·9952	·9944	·9934	·9927	·9910	·9899	·9907	·9911	·9911	·9918	·9920	·9929	·9934	·9934	·9929	·9932	·9945
17	·9932	·9928	·9924	·9930	·9920	·9918	·9920	·9921	·9922	·9931	·9928	·9929	·9927	·9927	·9924	·9924	·9928	·9932	·9938	·9939	·9935	·9924	·9912	·9901	·9887	·9925
18	·9887	·9867	·9840	·9820	·9793	·9761	·9763	·9781	·9805	·9828	·9850	·9869	·9873	·9879	·9882	·9884	·9885	·9885	·9884	·9884	·9881	·9878	·9887	·9894	·9893	·9853
19	·9893	·9894	·9901	·9911	·9920	·9921	·9925	·9932	·9933	·9935	·9939	·9937	·9930	·9924	·9922	·9915	·9911	·9904	·9900	·9892	·9887	·9882	·9879	·9876	·9877	·9911
20	·9877	·9875	·9877	·9880	·9883	·9891	·9900	·9911	·9921	·9932	·9945	·9953	·9954	·9955	·9961	·9967	·9972	·9967	·9958	·9951	·9943	·9926	·9905	·9887	·9869	·9925
21	·9869	·9856	·9852	·9856	·9866	·9878	·9899	·9920	·9939	·9957	·9974	·9987	·9998	·0009	·0020	·0027	·0038	·0039	·0045	·0054	·0059	·0064	·0071	·0078	·0080	·9978
22	·0080	·0078	·0074	·0069	·0056	·0045	·0017	·9999	·9975	·9941	·9917	·9880	·9849	·9823	·9821	·9842	·9893	·9938	·9995	·0025	·0055	·0082	·0098	·0114	·0126	·9987
23	·0126	·0137	·0139	·0148	·0154	·0155	·0150	·0142	·0137	·0136	·0128	·0119	·0107	·0089	·0072	·0050	·0025	·0008	·9994	·9990	·9988	·9978	·9961	·9953	·9933	·0074
24	·9933	·9916	·9910	·9906	·9899	·9890	·9892	·9896	·9909	·9921	·9942	·9961	·9961	·9963	·9960	·9959	·9955	·9944	·9931	·9923	·9909	·9902	·9894	·9885	·9888	·9923
25	·9888	·9893	·9900	·9904	·9910	·9915	·9927	·9935	·9944	·9958	·9976	·9984	·9992	·9999	·0007	·0018	·0023	·0034	·0041	·0050	·0057	·0059	·0062	·0062	·0060	·9984
26	·0060	·0059	·0057	·0052	·0044	·0032	·0019	·0002	·9990	·9984	·9984	·9986	·9992	·9993	·9999	·0003	·0015	·0024	·0037	·0042	·0047	·0055	·0057	·0057	·0057	·0025
27	·0057	·0059	·0062	·0065	·0060	·0059	·0058	·0060	·0066	·0071	·0076	·0080	·0081	·0081	·0086	·0092	·0099	·0105	·0111	·0117	·0126	·0131	·0131	·0136	·0141	·0088
28	·0141	·0144	·0144	·0148	·0149	·0147	·0148	·0147	·0149	·0151	·0152	·0148	·0146	·0140	·0137	·0138	·0139	·0141	·0142	·0146	·0145	·0145	·0144	·0140	·0139	·0145
29	·0139	·0141	·0137	·0132	·0128	·0123	·0123	·0121	·0121	·0122	·0122	·0124	·0124	·0119	·0109	·0105	·0107	·0103	·0099	·0098	·0099	·0110	·0117	·0119	·0131	·0118
30	·0131	·0136	·0142	·0148	·0151	·0152	·0153	·0159	·0166	·0169	·0175	·0178	·0177	·0171	·0175	·0177	·0182	·0187	·0189	·0190	·0192	·0194	·0197	·0199	·0204	·0172
31	·0204	·0199	·0207	·0208	·0207	·0209	·0210	·0213	·0216	·0225	·0230	·0240	·0241	·0238	·0239	·0247	·0251	·0256	·0256	·0258	·0259	·0261	·0262	·0263	·0266	·0235
Mean...	0·9 9911	0·9 9899	0·9 9888	0·9 9885	0·9 9857	0·9 9830	0·9 9815	0·9 9815	0·9 9827	0·9 9844	0·9 9866	0·9 9871	0·9 9835	0·9 9787	0·9 9768	0·9 9770	0·9 9804	0·9 9822	0·9 9857	0·9 9882	0·9 9912	0·9 9938	0·9 9943	0·9 9946	0·9 9955	0·9 9858
Normals 1871–1910.	1·0 1074	1·0 1053	1·0 1040	1·0 1036	1·0 1023	1·0 1012	1·0 1009	1·0 1016	1·0 1036	1·0 1063	1·0 1094	1·0 1108	1·0 1084	1·0 1050	1·0 1029	1·0 1019	1·0 1036	1·0 1046	1·0 1060	1·0 1067	1·0 1077	1·0 1077	1·0 1077	1·0 1074	1·0 1070	1·0 1052

(23795—24.) Wt. 41466—310. 250. 5/12. D & S. G. 30. Sch. 9.

VALENCIA. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	15	5·8	15	6·3	15	5·8	15	7·6	15	7·6	15	8·1	15	7·6	15	8·5	15	9·4	15	9·8	16	9·4	16	9·8
2	17	3·1	16	3·6	16	3·1	15	4·0	15	4·9	15	4·9	15	6·7	15	8·1	15	8·9	15	8·1	16	8·5	16	8·9
3	16	6·3	20	7·2	16	5·4	23	7·2	23	3·1	19	3·1	18	2·7	16	3·1	19	4·9	21	6·3	21	5·4	21	4·5
4	25	6·7	21	8·1	24	10·7	22	8·5	22	8·9	22	6·3	22	4·5	17	2·7	17	3·1	16	3·6	16	4·5	16	5·8
5	21	20·6	22	17·0	22	17·4	24	16·5	24	16·5	24	15·2	25	14·3	24	13·0	25	13·0	25	11·2	24	10·3	24	10·3
6	21	3·1	16	2·7	16	2·2	13	2·2	17	3·6	15	3·6	15	3·6	15	3·1	15	4·9	15	6·3	15	6·7	15	8·1
7	29	9·4	27	8·1	29	6·7	25	8·9	26	7·6	26	8·1	25	9·4	25	7·6	26	6·7	25	6·3	26	6·3	25	6·7
8	15	4·9	15	6·3	15	6·7	15	8·9	15	9·8	15	9·4	15	10·3	21	7·6	20	4·5	20	4·5	21	6·7	21	6·3
9	24	10·3	24	11·6	23	11·6	23	11·6	23	10·3	21	6·7	22	7·6	23	8·5	21	9·4	21	4·5	21	6·7	21	8·1
10	15	4·0	12	2·2	11	3·6	12	3·1	14	3·1	16	2·2	18	2·2	18	1·8	22	1·8	22	1·8	26	2·2	30	5·8
11	25	11·2	25	11·6	26	12·5	25	11·6	23	10·7	24	10·3	25	12·5	26	11·6	24	10·3	26	11·6	25	8·9	23	8·1
12	20	5·4	21	6·3	21	4·5	17	4·5	17	4·0	17	5·4	16	5·8	16	5·8	15	5·4	15	6·7	16	5·4	16	7·6
13	11	8·1	10	8·9	10	8·1	10	8·1	11	7·6	10	6·3	10	5·8	10	5·4	7	4·0	5	2·7	4	3·1	1	4·0
14	18	5·8	17	4·5	18	3·6	15	4·9	20	4·9	16	4·0	16	4·5	14	4·9	16	2·7	—	1·3	—	0·9	—	1·3
15	1	3·6	32	3·1	29	4·5	28	4·5	26	5·8	26	4·5	23	5·4	25	3·1	24	2·2	20	4·9	20	4·5	21	5·8
16	16	3·6	16	4·5	15	5·4	15	6·3	16	6·7	16	8·5	16	7·6	15	8·1	15	7·6	15	9·4	15	8·1	15	9·4
17	15	8·5	15	9·8	15	8·9	16	8·1	16	7·6	16	7·6	15	7·2	15	7·2	15	7·6	15	7·2	15	7·2	15	8·1
18	14	13·0	14	12·5	15	13·0	14	11·6	14	14·3	15	13·4	16	10·3	18	8·9	19	7·2	20	8·1	19	6·3	16	6·7
19	15	7·2	18	6·7	16	6·3	16	5·4	16	6·3	16	6·3	16	6·3	16	6·3	16	6·7	15	8·1	15	7·6	15	8·1
20	15	1·8	12	1·8	16	3·1	22	8·1	22	8·1	23	8·1	22	6·7	21	7·2	22	8·1	21	5·4	21	6·3	21	7·2
21	9	3·6	8	3·6	8	2·2	2	4·0	32	5·8	1	4·5	28	1·8	24	8·1	25	5·4	26	9·4	24	9·4	24	10·7
22	22	5·4	22	2·7	18	1·8	17	2·2	15	4·5	12	4·9	10	6·7	9	8·1	8	8·5	9	10·3	7	8·1	6	13·0
23	—	0·9	2	2·2	2	1·8	3	1·8	13	3·1	14	4·0	14	3·6	14	6·3	14	6·7	15	6·7	14	7·2	15	8·5
24	16	9·4	17	9·4	20	10·3	19	10·3	19	13·4	20	16·1	20	14·8	20	15·7	20	13·9	25	11·6	26	5·8	22	8·1
25	25	11·2	23	10·3	21	8·1	24	8·1	22	8·5	22	13·0	22	11·2	22	13·9	23	13·9	22	14·8	23	12·5	23	14·8
26	21	4·5	21	4·0	20	2·7	18	3·1	16	3·1	16	3·6	15	4·0	13	6·3	15	6·3	21	9·4	21	9·4	21	10·3
27	—	1·3	—	0·9	—	0·9	16	2·2	16	1·8	16	1·8	—	1·3	15	3·1	15	5·8	17	4·5	19	4·9	20	6·3
28	19	5·4	15	5·4	16	4·5	16	6·3	16	6·3	16	5·4	16	5·4	16	5·4	16	5·4	15	4·9	16	4·9	15	5·4
29	15	5·4	15	6·7	15	5·4	15	6·7	15	5·8	15	6·7	15	7·6	15	6·7	15	8·1	15	7·6	15	6·7	15	5·4
30	22	1·8	—	1·3	—	1·3	—	0·9	—	0·9	—	1·3	—	1·3	17	3·1	15	3·1	15	1·8	15	3·1	16	2·7
31	15	5·8	15	6·3	15	6·7	15	5·4	15	5·8	15	5·8	15	7·6	15	6·7	15	6·7	15	5·8	15	4·5	15	4·5
Mean ...	—	6·4	—	6·3	—	6·1	—	6·5	—	6·8	—	6·7	—	6·7	—	7·0	—	6·8	—	6·9	—	6·5	—	7·4
Normals 1881-1910.	—	6·5	—	6·5	—	6·5	—	6·4	—	6·4	—	6·4	—	6·3	—	6·3	—	6·3	—	6·2	—	6·1	—	6·7

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE IV.—RAINFALL IN MILLIMETRES. DECEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	0·25	—	—	1·27	1·52	1·27	1·78	0·51	—	—	—	—	—	—	—	—	6·60
2	—	—	—	—	—	—	—	—	—	—	2·03	2·54	2·54	2·29	—	—	—	—	—	0·51	1·78	0·76	—	—	9·40
3	0·25	1·27	—	0·25	—	0·25	—	—	0·51	0·51	0·25	—	0·25	—	—	—	0·25	—	—	—	0·25	0·76	0·51	—	6·84
4	0·51	—	—	—	—	—	—	—	—	—	—	0·25	0·25	1·27	2·79	6·09	3·05	3·05	0·25	—	0·25	0·76	0·51	—	19·03
5	—	—	—	0·25	—	0·51	—	—	—	0·25	—	—	—	—	—	0·76	—	—	—	—	—	—	—	—	1·77
6	—	—	—	—	—	—	—	—	0·25	—	0·25	1·02	0·51	1·52	2·29	3·81	4·57	4·82	6·86	2·54	1·52	—	—	—	29·96
7	—	—	—	—	—	—	—	1·52	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	1·77
8	—	1·02	0·51	1·02	1·52	2·03	3·30	1·27	—	—	—	1·27	0·76	—	—	0·51	0·51	—	—	—	—	—	—	0·51	14·23
9	0·25	—	—	—	0·25	0·25	—	0·25	—	0·25	—	0·51	—	2·29	0·25	0·25	1·02	—	1·27	—	—	—	—	1·02	7·86
10	1·52	0·51	1·02	1·78	2·54	3·81	3·30	0·76	—	1·02	0·51	—	0·51	1·52	3·81	2·03	—	—	—	—	—	—	—	1·02	25·66
11	—	0·51	—	—	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	0·51	—	0·25	—	1·02	0·25	3·04
12	—	—	—	—	—	0·25	0·51	—	—	—	—	0·25	—	—	—	0·25	—	—	—	—	—	—	1·02	—	2·28
13	—	—	0·51	1·52	1·27	0·76	—	—	—	0·25	—	—	—	—	—	0·76	1·02	0·76	—	—	—	—	—	—	6·85
14	—	1·52	—	—	0·51	0·25	—	0·76	—	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	3·55
15	—	—	—	—	0·25	—	—	0·25	—	—	0·25	—	—	—	0·25	0·51	—	—	—	—	—	—	—	—	1·51
16	—	0·25	1·78	0·25	—	1·02	0·76	0·76	1·27	2·29	2·54	0·51	2·03	0·25	—	0·25	—	—	—	—	—	—	—	—	13·96
17	—	—	3·81	—	—	0·25	—	—	—	—	—	—	2·03	—	—	—	—	—	—	—	—	—	—	—	6·09
18	1·78	2·54	1·52	4·57	1·78	—	—	—	—	—	—	—	—	—	0·51	—	—	—	3·05	—	—	1·27	—	—	17·02
19	1·02	—	—	—	—	—	—	—	—	—	0·25	1·02	0·76	—	—	1·78	—	—	—	—	—	1·27	1·52	0·51	8·13
20	—	—	—	—	—	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	1·52	—	—	0·25	2·28
21	0·25	0·51	0·76	0·51	0·25	0·25	0·25	0·25	0·51	1·52	—	—	—	—	—	0·76	—	0·76	0·51	—	—	—	0·25	0·25	7·59
22	—	—	—	—	—	—	0·25	3·56	2·54	2·54	1·27	2·54	2·03	1·02	—	—	0·25	—	—	—	—	—	—	—	16·00
23	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51	0·51	1·02	0·51	—	—	1·27	0·25	1·78	0·51	6·87
24	3·05	0·76	0·25	—	—	—	—	—	0·25	0·25	—	—	—	—	—	—	—	—	2·29	5·84	—	0·76	1·27	—	14·72
25	0·25	—	—	0·25	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·76	—	—	1·76
26	—	—	—	—	1·27	0·76	1·78	1·02	1·02	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·10
27	0·25	0·76	1·27	1·27	1·78	1·52	1·52	2·54	0·51	0·51	—	0·25	—	—	—	—	0·25	—	—	—	—	—	—	0·25	12·68
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	0·25	0·25	0·25	0·25	—	0·25	—	—	—	—	—	0·25	0·25	3·56	1·78	0·76	0·51	—	—	—	8·36
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	0·25	0·25	0·25	0·51	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	2·02
Sum ...	9·13	9·65	11·43	11·67	11·92	12·41	12·42	13·44	7·36	10·65	8·37	12·19	13·19	11·94	12·19	19·03	12·19	13·71	16·52	9·65	7·10	5·83	7·37	4·57	263·93
Normals 1871-1910.	6·48	6·65	7·11	7·82	6·94	6·99	7·04	6·80	6·60	6·02	5·69	6·35	6·29	6·65	6·60	6·07	6·24	6·24	6·94	7·70	7·77	7·14	6·29	6·19	160·61

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

(V.) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. DECEMBER, 1911.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
16	10·3	16	10·7	16	9·4	20	7·2	20	4·9	21	4·5	21	4·5	20	4·5	19	3·1	18	3·1	17	2·2	17	2·7	6·8	1
16	10·3	16	10·3	16	8·5	20	8·1	20	8·5	20	8·1	20	8·1	16	5·4	18	6·7	20	3·1	16	4·5	16	4·5	6·6	2
22	2·2	18	3·1	18	2·7	18	2·2	22	2·2	19	1·8	17	3·1	17	4·5	21	8·9	22	3·6	24	8·5	22	13·0	4·8	3
15	8·1	14	10·3	15	12·1	15	12·5	16	11·2	16	11·6	17	10·7	19	13·0	20	16·1	20	18·8	20	19·2	21	21·0	9·9	4
25	9·4	24	9·4	25	8·5	25	7·6	25	8·5	24	8·5	23	6·3	26	5·4	25	5·8	22	5·8	22	4·9	22	5·4	10·9	5
15	9·4	16	9·4	16	10·3	16	12·1	16	11·6	16	12·5	16	11·6	25	7·6	25	8·5	28	8·9	28	10·3	28	9·4	7·2	6
25	4·5	25	5·8	24	5·8	22	5·4	23	5·8	22	3·1	23	1·8	8	1·8	13	2·7	14	3·1	14	3·6	14	4·5	5·8	7
16	6·7	22	8·1	22	9·8	27	8·1	28	8·1	25	10·7	25	11·2	25	15·2	25	13·4	27	9·4	25	12·1	24	12·5	8·8	8
18	1·8	20	7·2	18	4·0	22	8·1	20	8·1	21	5·8	19	4·5	20	4·9	17	3·1	17	3·1	16	3·1	16	4·5	6·9	9
31	8·1	30	10·7	31	12·5	31	14·3	31	12·5	29	13·0	28	12·5	29	11·2	25	11·2	26	11·6	26	10·3	26	11·2	7·2	10
23	9·8	23	11·6	27	9·4	22	9·4	22	7·6	22	8·1	22	6·7	21	7·6	21	5·8	21	7·2	21	6·7	21	5·4	9·4	11
15	6·7	15	6·7	16	7·2	15	6·7	14	7·6	14	8·5	14	8·9	13	9·4	14	10·3	13	9·4	14	9·8	12	10·3	7·0	12
30	1·8	24	2·7	22	3·1	20	4·5	21	15·2	21	13·9	20	6·7	20	8·5	20	8·1	20	7·6	18	5·8	20	5·4	6·5	13
—	1·3	—	0·5	—	0·9	—	1·3	6	1·8	6	1·8	6	2·7	3	4·5	2	3·6	2	3·1	2	2·2	1	4·0	3·0	14
21	7·6	21	8·1	22	6·7	21	7·2	21	7·6	21	9·4	21	9·4	21	8·5	21	7·2	21	4·5	19	1·8	17	3·1	5·5	15
15	9·4	15	9·8	16	6·7	15	7·6	15	7·6	15	6·3	15	6·7	15	6·7	15	5·4	15	7·2	15	7·6	15	8·1	7·3	16
15	8·1	15	5·4	16	8·5	15	8·5	15	8·1	16	8·9	16	6·7	15	8·5	15	9·8	14	11·6	14	13·4	14	13·0	8·6	17
16	6·7	16	7·2	16	6·3	16	5·4	16	7·2	15	5·8	16	6·7	15	6·7	15	8·1	15	6·3	16	5·4	16	6·7	8·5	18
15	8·9	16	8·1	16	8·1	16	8·1	16	7·2	16	6·7	15	5·4	16	5·8	15	4·9	18	3·1	18	2·2	23	1·8	6·3	19
21	9·4	21	8·1	21	7·6	21	5·4	21	4·5	21	3·1	17	2·7	16	4·5	15	1·8	12	4·9	10	5·4	9	5·4	5·6	20
23	12·5	22	10·7	22	9·4	21	10·7	21	11·6	21	10·3	22	10·3	22	12·5	22	10·7	22	11·6	22	8·9	22	7·6	8·1	21
6	11·6	6	12·1	5	10·3	2	16·1	2	15·2	1	14·8	2	12·1	1	8·1	32	4·9	31	1·8	—	0·5	31	1·8	7·7	22
14	9·8	14	9·4	14	12·1	14	13·0	14	12·1	15	8·5	16	7·6	16	7·6	16	7·2	16	8·9	16	8·1	16	9·4	6·9	23
23	8·9	24	7·2	24	4·5	—	0·9	10	1·8	10	3·1	15	4·5	10	5·4	9	3·1	15	3·1	15	3·6	22	7·6	8·0	24
23	14·8	22	14·3	22	13·0	22	11·2	22	11·6	22	11·2	22	10·7	22	10·7	22	9·4	22	8·9	22	7·6	21	4·9	11·2	25
21	10·3	21	10·3	21	10·3	22	7·6	22	6·7	22	3·6	22	3·1	22	1·8	—	0·9	—	0·9	22	1·8	—	1·3	5·2	26
20	6·7	20	7·6	20	7·2	20	6·7	20	6·7	20	6·7	20	6·3	20	6·3	20	5·4	20	6·3	17	5·4	17	4·5	4·6	27
15	6·3	16	4·5	16	5·4	15	4·5	15	5·8	15	6·7	15	6·3	15	5·4	15	4·9	16	5·8	15	4·9	16	4·5	5·4	28
15	4·5	15	5·4	15	5·8	15	5·4	15	6·3	15	6·3	15	6·7	16	6·7	20	6·3	21	4·0	20	1·8	18	3·1	5·9	29
15	4·0	15	4·0	15	4·0	15	3·6	15	3·6	14	4·9	15	5·4	15	4·5	15	4·5	15	4·5	15	4·5	15	4·9	3·1	30
15	4·5	15	4·0	16	4·0	15	4·5	16	4·0	15	4·9	15	7·2	15	6·3	16	4·0	15	5·8	15	5·4	15	6·7	5·5	31
—	7·6	—	7·8	—	7·6	—	7·5	—	7·8	—	7·5	—	7·0	—	7·1	—	6·6	—	6·4	—	6·2	—	6·7	6·9	Normals 1881-1910.
—	6·8	—	6·8	—	6·7	—	6·6	—	6·5	—	6·4	—	6·5	—	6·4	—	6·5	—	6·5	—	6·5	—	6·6	6·5	

cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction the direction is omitted, the record not being trustworthy in very light airs.

VALENCIA. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. DECEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy, with ● mid-day; fine evening.
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unsettled-looking.
3	—	—	—	—	—	—	—	·3	—	·1	·7	·3	—	—	—	—	—	1·4	Showery.
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy, with ≋⁰; ●² 15h.–18h.
5	—	—	—	—	—	—	—	·4	·6	·3	·4	·2	—	—	—	—	—	1·9	Squally with ▲ showers, to fair.
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy, with ≋⁰ and ●² P.M.
7	—	—	—	—	—	·1	·6	1·0	·7	·5	·6	·5	—	—	—	—	—	4·0	▲ about 8h., then clear and fair.
8	—	—	—	—	—	—	·6	1·0	·3	—	·5	·1	—	—	—	—	—	2·5	Frequent ▲ and ● showers.
9	—	—	—	—	—	—	—	·5	·2	·1	—	—	—	—	—	—	—	0·8	Dull, misty, and showery.
10	—	—	—	—	—	—	—	·2	—	—	—	—	—	—	—	—	—	0·2	●² showers during day.
11	—	—	—	—	—	—	·1	·8	·5	·9	·6	·2	—	—	—	—	—	3·1	Fair during day, showery later.
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cloudy; ≋⁰.
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull.
14	—	—	—	—	—	—	·3	1·0	·7	·2	—	—	—	—	—	—	—	2·2	Showery to fair.
15	—	—	—	—	—	—	·4	·6	·9	·8	·3	—	—	—	—	—	—	3·0	Passing showers, and fair intervals throughout.
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●, and heavy mist most of day.
17	—	—	—	—	—	—	·2	·3	—	·5	·4	—	—	—	—	—	—	1·4	≋⁰; ⚲ at 13h.
18	—	—	—	—	—	—	—	—	·3	·2	·3	—	—	—	—	—	—	0·8	● early; remaining unsettled-looking and misty.
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ≋⁰ and ●² showers.
20	—	—	—	—	—	—	·6	1·0	·8	·9	·9	—	—	—	—	—	—	4·2	Fair during day.
21	—	—	—	—	—	—	·2	·8	1·0	·8	·6	—	—	—	—	—	—	3·4	Showery to fair.
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy and misty.
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and gloomy.
24	—	—	—	—	—	—	·5	1·0	·8	·7	—	—	—	—	—	—	—	3·0	Showery.
25	—	—	—	—	—	—	·2	·8	·7	·5	·1	—	—	—	—	—	—	2·3	⚲ at 9h., then fair to dull.
26	—	—	—	—	—	—	—	—	·4	·5	·8	—	—	—	—	—	—	1·7	Misty day; clearing a little 12h.–14h.
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast and heavy mist.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gloomy all day, with ≋⁰.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull; ≋⁰ or ● throughout.
30	—	—	—	—	—	—	—	—	·4	·1	—	·1	—	—	—	—	—	0·6	Misty to fair.
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast, heavy mist and ●⁰.
	—	—	—	—	—	—	0·1	3·7	9·7	8·3	7·1	6·2	1·4	—	—	—	—	36·5	Total.
	—	—	—	—	—	0·01	2·14	6·47	7·94	7·85	7·57	5·93	3·05	0·05	—	—	—	41·01	Normals 1881-1910.

TABLE VI.

VALENCIA. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. DECEMBER, 1911.

First figure (2 or 3) omitted; in table I the 3 is inserted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	80·4	81·1	81·6	82·2	82·2	82·5	82·7	82·9	82·8	83·2	83·5	83·9	83·5	83·5	83·5	83·6	83·4	82·3	82·0	81·2	81·0	80·2	80·4	80·1	79·6	82·2
2	79·6	79·5	79·8	79·6	80·0	80·7	80·8	81·3	81·6	82·0	82·3	82·5	82·6	82·8	83·4	84·0	82·8	82·7	82·4	82·4	81·6	81·8	80·7	81·2	81·1	81·6
3	81·1	81·6	80·5	80·2	81·0	79·7	79·2	78·1	78·9	79·9	79·2	79·5	79·9	79·4	79·6	79·1	78·5	78·5	77·3	77·3	77·9	77·8	76·7	77·9	78·4	79·1
4	78·4	76·3	77·3	78·5	78·2	78·5	78·9	78·5	76·9	77·0	77·6	79·0	79·4	79·5	79·7	80·7	81·3	82·1	82·8	82·0	81·6	81·7	80·7	80·9	81·1	79·5
5	81·1	81·1	81·1	80·1	79·9	81·0	80·9	80·1	80·2	80·2	79·6	79·8	79·3	79·6	80·2	80·2	80·0	79·6	79·9	79·6	79·2	79·4	78·8	78·4	78·5	79·9
6	78·5	77·2	77·1	77·5	77·1	77·4	77·3	77·1	78·1	79·0	79·8	80·3	80·2	80·4	80·3	80·7	80·6	81·0	81·4	82·2	80·7	80·4	80·5	80·6	80·4	79·4
7	80·4	79·3	79·6	78·6	78·9	79·1	79·5	79·6	79·7	79·3	79·3	79·9	80·5	80·2	80·5	80·6	79·9	80·1	79·5	79·1	76·5	77·2	77·8	77·5	77·6	79·2
8	77·6	78·5	79·3	79·3	79·5	79·5	80·0	80·5	80·4	80·1	80·4	80·9	81·0	79·1	80·1	80·1	78·7	79·4	79·3	79·4	79·7	78·7	78·9	79·4	79·0	79·6
9	79·0	77·4	79·0	78·9	78·9	78·6	77·8	77·6	77·6	78·8	78·0	78·9	79·3	79·1	80·2	78·1	79·7	79·9	79·1	80·5	80·1	80·5	80·3	80·7	80·6	79·1
10	80·6	80·2	80·1	80·2	80·6	80·6	80·3	80·4	80·3	80·1	80·1	80·0	79·8	79·6	78·4	77·5	78·5	78·9	79·9	80·2	80·0	80·0	80·1	80·0	79·7	79·8
11	79·7	79·9	79·9	80·2	80·1	80·0	79·8	79·8	79·7	79·4	79·7	80·0	80·4	80·3	80·7	80·8	80·3	79·9	80·2	80·6	80·2	80·2	80·0	80·7	80·5	80·1
12	80·5	80·7	80·8	81·0	81·1	80·8	81·4	81·5	81·5	81·4	82·2	82·1	83·0	83·2	82·8	82·9	81·9	81·9	81·8	82·0	82·1	82·3	82·3	81·9	82·1	81·8
13	82·1	82·2	82·1	82·2	81·7	81·3	81·2	81·2	81·3	81·2	80·7	80·7	80·7	80·9	81·3	81·0	80·9	79·9	79·6	79·9	80·4	80·7	80·6	80·2	79·3	80·9
14	79·3	80·2	79·9	79·1	79·5	79·0	78·5	78·5	78·8	77·5	77·4	78·4	78·9	79·2	79·5	79·3	78·9	78·5	77·6	78·2	79·0	78·9	78·5	77·6	78·9	78·8
15	78·9	79·0	79·0	80·0	80·1	79·7	79·8	80·0	79·2	78·2	79·6	80·2	80·4	81·3	80·7	80·3	80·3	79·7	80·1	80·6	80·1	80·1	79·9	79·9	80·6	79·9
16	80·6	80·9	81·2	81·3	82·2	82·7	82·8	83·1	83·2	83·4	83·5	83·7	83·9	83·9	84·0	83·9	83·7	82·5	83·0	82·6	82·1	82·4	82·3	82·4	82·5	82·8
17	82·5	82·6	83·1	81·5	81·4	82·1	82·3	81·9	81·8	82·1	82·1	82·9	83·5	81·9	81·7	82·8	82·6	82·5	82·8	82·6	82·9	83·4	83·5	84·0	83·9	82·6
18	83·9	83·7	83·6	83·6	83·4	84·3	84·7	84·2	82·6	82·3	81·8	81·9	82·3	82·8	82·9	82·8	81·7	81·8	82·0	80·8	80·8	81·3	80·0	80·6	80·9	82·4
19	80·9	81·3	81·4	81·8	81·9	82·1	82·4	82·3	82·2	82·2	82·6	82·9	82·4	82·4	82·6	82·6	81·4	81·6	81·5	81·8	81·7	81·8	80·9	80·4	80·0	81·9
20	80·0	80·0	79·0	79·5	80·5	80·7	80·8	81·0	80·7	80·6	80·6	81·1	81·7	81·3	81·5	81·8	81·1	81·0	79·9	80·3	80·7	80·0	81·0	81·3	81·0	80·7
21	81·0	80·7	79·9	79·5	79·6	79·9	79·9	80·0	80·3	80·1	79·6	80·5	81·0	81·3	81·4	81·2	81·3	80·7	80·2	79·6	80·0	80·2	80·3	80·2	79·9	80·3
22	79·9	80·0	79·1	79·0	79·0	79·6	80·4	80·1	79·5	78·8	78·2	78·4	79·2	79·0	78·5	78·1	76·2	77·7	78·3	79·1	78·9	78·8	78·8	77·3	76·2	78·8
23	76·2	76·1	74·9	74·9	75·0	76·4	78·1	78·9	78·8	79·4	79·8	80·9	81·2	80·7	80·1	80·2	80·8	81·5	82·3	82·9	82·9	82·9	82·9	83·1	83·0	79·8
24	83·0	83·0	83·3	81·8	81·8	81·8	81·1	80·9	80·6	80·6	79·8	79·9	80·7	81·0	80·9	80·5	79·0	78·4	79·1	79·4	76·5	76·1	76·7	77·2	78·8	80·0
25	78·8	78·8	79·8	80·0	79·3	80·2	80·6	80·2	81·1	80·7	80·3	81·8	82·0	81·8	81·6	80·3	81·0	81·1	81·2	81·3	81·4	81·0	80·9	80·7	80·5	80·7
26	80·5	80·3	80·4	80·6	81·0	81·0	81·2	80·7	81·1	81·4	83·2	83·7	83·5	83·6	83·5	83·2	82·6	82·8	82·4	82·3	82·0	81·8	81·6	81·8	82·0	82·0
27	82·0	81·8	82·0	81·7	81·2	81·0	80·8	81·0	81·7	82·5	83·3	84·1	84·3	84·5	84·7	84·5	84·4	84·3	84·5	84·3	84·2	84·2	84·3	84·2	84·1	83·2
28	84·1	84·0	83·9	83·9	83·8	83·9	83·9	83·7	83·6	83·5	83·5	83·4	83·5	83·9	83·8	84·0	83·5	83·7	83·8	83·8	83·7	83·6	83·7	83·5	83·3	83·7
29	83·3	82·9	82·6	82·6	82·4	82·4	82·2	82·4	82·5	82·4	82·0	82·2	82·2	82·4	82·6	82·7	82·7	82·6	82·6	82·9	83·7	83·8	82·7	82·0	81·4	82·6
30	81·4	81·3	80·9	80·6	80·2	80·6	80·7	80·6	81·0	81·3	81·2	81·7	82·4	82·3	82·4	82·3	82·0	81·5	81·7	81·6	81·5	81·6	81·5	81·2	81·0	81·4
31	81·0	81·0	81·3	81·5	81·2	81·3	81·8	82·2	82·4	82·8	82·6	82·9	83·2	83·3	84·0	84·0	83·8	83·5	83·2	83·2	83·4	83·4	82·7	82·2	82·2	82·6
Mean ...	80·5	80·4	80·4	80·4	80·4	80·6	80·7	80·7	80·7	80·7	80·8	81·2	81·5	81·4	81·5	81·4	81·1	81·0	81·0	81·1	80·9	80·9	80·7	80·6	80·6	80·9
Normals 1871–1910.	80·3	80·3	80·3	80·3	80·2	80·2	80·2	80·2	80·1	80·2	80·3	80·8	81·1	81·3	81·3	81·2	81·0	80·7	80·6	80·6	80·4	80·4	80·4	80·4	80·3	80·5

TABLE VII.

VALENCIA. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). DECEMBER, 1911.

1	85	83	82	80	81	77	81	80	86	87	87	87	93	95	96	98	98	94	96	91	90	90	89	92	92	88·4
2	92	86	90	93	93	93	90	90	89	89	88	93	94	94	95	92	86	82	78	80	84	82	84	87	83	88·3
3	83	84	94	93	89	94	92	93	92	87	90	87	89	89	92	90	90	92	93	91	92	91	96	91	80	90·5
4	80	85	87	81	79	79	75	74	81	85	81	79	82	86	90	94	95	96	95	83	84	81	91	86	83	84·6
5	83	76	77	81	87	74	70	68	73	65	69	74	79	76	73	67	67	72	73	76	77	74	81	82	83	74·8
6	83	83	83	77	86	86	86	88	86	84	86	83	86	87	88	91	94	94	94	96	94	89	86	72	63	86·3
7	63	73	67	77	80	73	74	76	78	77	76	78	73	80	73	73	80	79	81	90	93	91	89	89	91	79·1
8	91	90	91	94	91	92	95	96	97	90	91	82	83	91	88	84	83	79	78	72	73	77	65	62	67	84·0
9	67	82	72	74	79	79	87	91	88	83	86	90	83	92	82	97	89	87	93	95	96	98	98	97	96	87·7
10	96	96	96	94	94	96	98	99	100	100	99	98	98	92	93	99	87	87	72	66	73	69	66	76	84	89·1
11	84	78	83	69	69	74	74	75	77	82	71	73	77	77	73	73	83	81	84	82	87	90	88	89	91	79·0
12	91	94	89	90	89	87	92	88	90	92	93	92	90	88	88	88	93	92	88	87	83	82	82	90	84	88·9
13	84	81	81	79	86	85	87	87	82	83	89	89	86	89	90	91	95	92	93	91	84	80	81	79	86	86·0
14	86	85	84	93	87	93	96	95	90	96	94	97	94	93	92	92	89	91	92	85	80	83	86	90	87	90·1
15	87	89	85	75	78	81	82	80	86	93	90	88	80	80	80	84	83	86	82	79	79	80	81	86	89	83·2
16	89	94	94	99	98	97	100	98	98	98	98	98	98	99	98	93	92	87	93	90	90	91	89	91	88	94·6
17	88	88	85	88	89	88	86	92	88	84	88	87	85	93	92	84	88	89	83	87	88	88	88	87	87	87·6
18	87	91	94	94	95	94	94	94	91	87	87	82	82	80	80	81	88	81	85	90	94	92	90	88	89	88·5
19	89	88	91	92	91	90	87	87	87	88	85	81	88	92	90	89	92	90	89	88	93	93	96	97	96	89·8
20	96	95	96	97	91	91	91	90	91	87	87	84	83	86	82	80	86	85	87	88	92	95	88	86	85	88·7
21	85	86	88	88	89	89	87	91	91	90	87	82	81	79	79	79	78	81	82	88	81	82	79	82	89	84·5
22	89	86	85	84	86	85	80	78	82	89	89	90	88	90	92	89	90	85	88	79	88	83	89	93	97	86·7
23	97	95	96	97	95	95	93	87	88	89	85	84	85	86	94	95	93	94	99	98	95	94	98	98	99	93·0
24	99	97	93	88	85	80	88	88	84	87	90	82	85	75	67	72	83	80	79	78	94	94	97	94	93	85·6
25	93	86	78	79	86	87	85	84	82	80	83	80	76	80	80	86	83	85	85	86	84	79	89	90	90	83·5
26	90	85	89	90	93	95	96	99	97	98	99	95	94	90	91	92	94	93	96	94	96	98	97	95	96	94·1
27	96	98	98	99	98	98	99	98	97	98	95	99	98	99	98	99	98	99	98	99	100	98	98	100	100	98·3
28	100	99	100	99	96	94	93	95	93	94	95	94	95	93	95	92	96	95	92	95	94	94	92	92	93	94·8
29	93	94	96	97	100	98	99	99	98	99	99	96	98	97	96	95	95	96	97	99	98	98	99	98	98	97·3
30	98	99	100	97	99	99	100	97	98	98	99	96	95	94	95	95	96	96	95	93	94	94	95	95	95	96·5
31	95	94	94	96	99	97	93	97	98	97	100	100	100	100	100	99	100	100	100	100	100	99	100	100	100	98·4
Mean ...	88·4	88·4	88·3	88·2	89·0	88·4	88·7	88·8	89·0	88·9	88·9	87·7	87·7	88·5	87·8	88·2	89·2	88·4	88·4	87·6	88·7	88·0	88·6	88·8	88·8	88·5
Normals 1886–1910.	87·9	88·1	87·6	87·8	88·0	87·5	87·9	87·9	87·8	87·7	87·6	86·4	86·1	85·5	85·3	85·5	86·5	86·9	87·1	87·2	87·6	88·0	87·9	88·0	87·8	87·2

[*Price Sixpence.*]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 0° 19′ W., Lat. 51° 28′ N. **KEW.** DECEMBER, 1911.

Heights above Mean Sea Level: Station, H=5·6m. Barometer, H_b=10·4m.

Heights above Ground: Thermometers, h_t=3·0m. Rain-gauge, h_r=0·5m. Sunshine Recorder, h_s=14·3m. Cups of Anemometer, h_a=21·3m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At 2m. after each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Direction at each hour, G.M.T.
Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at 2m. before each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at 2m. before each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

KEW. DAILY EXTREMES OF PRESSURE* AND TEMPERATURE†. DECEMBER, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·0245	·0195	81·5	78·9	9	·0052	·9890	80·0	76·2	17	·0141	·0108	**85·1**	82·6	25	·0040	·9927	80·3	77·4
2	·0198	·0119	82·5	80·4	10	·0042	·9795	82·3	76·9	18	·0138	·0048	83·8	82·1	26	·0091	·9976	82·8	77·4
3	·0119	·0090	84·7	79·1	11	·9991	**·9794**	81·2	75·8	19	·0083	·0034	84·6	80·7	27	·0175	·0001	82·5	77·0
4	·0133	·0092	80·9	75·6	12	·0050	·9991	82·4	73·2	20	·0034	·9859	83·9	79·3	28	·0183	·0167	83·9	78·3
5	·0122	·9991	82·3	75·8	13	·0037	·9964	82·1	78·1	21	·0086	·9830	80·9	78·7	29	·0196	·0169	82·9	81·4
6	·0191	·0113	79·8	71·4	14	·0052	·9966	82·7	78·7	22	·0108	·9879	80·0	76·8	30	·0239	·0169	83·8	80·2
7	·0113	·9948	81·1	74·3	15	·0078	·9924	83·1	79·1	23	·0213	·9956	79·5	75·9	31	**·0298**	·0239	81·5	79·3
8	·0090	·9890	79·5	**71·3**	16	·0130	·0078	83·8	76·1	24	·0136	·9966	84·2	77·9	Mean.	—	—	82·2	77·6

TABLE II.

KEW. DECEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·0245	·0237	·0231	·0230	·0226	·0224	·0223	·0220	·0220	·0219	·0218	·0213	·0211	·0204	·0198	·0196	·0199	·0199	·0197	·0198	·0199	·0200	·0203	·0200	·0198	·0212
2	·0198	·0197	·0195	·0195	·0193	·0192	·0187	·0189	·0191	·0187	·0184	·0184	·0174	·0172	·0170	·0163	·0160	·0154	·0147	·0139	·0141	·0134	·0131	·0125	·0119	·0169
3	·0119	·0114	·0110	·0106	·0102	·0098	·0098	·0096	·0096	·0096	·0097	·0097	·0096	·0093	·0091	·0092	·0095	·0096	·0098	·0098	·0100	·0102	·0105	·0105	·0105	·0100
4	·0105	·0108	·0111	·0112	·0111	·0109	·0109	·0109	·0119	·0120	·0123	·0122	·0125	·0125	·0128	·0130	·0133	·0133	·0131	·0131	·0126	·0119	·0110	·0106	·0092	·0119
5	·0092	·0078	·0065	·0046	·0036	·0021	·0011	·0004	·9999	·9997	·0006	·0010	·0013	·0018	·0028	·0036	·0046	·0056	·0066	·0076	·0088	·0094	·0107	·0117	·0122	·0047
6	·0122	·0130	·0136	·0144	·0152	·0159	·0169	·0174	·0179	·0185	·0189	·0191	·0189	·0187	·0189	·0181	·0178	·0177	·0172	·0166	·0157	·0143	·0134	·0126	·0114	·0164
7	·0114	·0093	·0071	·0057	·0037	·0031	·0017	·0004	·9994	·9989	·9976	·9958	·9948	·9954	·9971	·9990	·0010	·0021	·0037	·0045	·0057	·0067	·0073	·0081	·0084	·0024
8	·0084	·0086	·0088	·0089	·0087	·0087	·0086	·0080	·0078	·0070	·0058	·0047	·0033	·0016	·0002	·9990	·9966	·9956	·9940	·9924	·9916	·9904	·9896	·9893	·9892	·0012
9	·9892	·9889	·9893	·9895	·9901	·9906	·9918	·9933	·9951	·9964	·9982	·9992	·0001	·0010	·0020	·0027	·0034	·0039	·0041	·0044	·0048	·0050	·0048	·0041	·0040	·9983
10	·0040	·0033	·0026	·0016	·0005	·9995	·9978	·9968	·9954	·9938	·9917	·9898	·9879	·9867	·9860	·9856	·9849	·9839	·9827	·9814	·9803	·9803	·9807	·9810	·9806	·9903
11	·9806	·9801	·9795	·9799	·9808	·9815	·9832	·9843	·9859	·9873	·9888	·9895	·9900	·9906	·9916	·9922	·9931	·9938	·9949	·9955	·9926	·9969	·9976	·9983	·9991	·9891
12	·9991	·9997	·0010	·0015	·0020	·0020	·0025	·0029	·0038	·0040	·0044	·0044	·0044	·0044	·0047	·0045	·0046	·0048	·0048	·0048	·0048	·0047	·0043	·0042	·0037	·0035
13	·0037	·0033	·0028	·0020	·0010	·9999	·9986	·9977	·9974	·9974	·9974	·9971	·9967	·9968	·9966	·9970	·9974	·9979	·9983	·9988	·9991	·9991	·9994	·9993	·9991	·9989
14	·9991	·9987	·9980	·9971	·9967	·9973	·9992	·0007	·0019	·0028	·0038	·0044	·0047	·0045	·0047	·0047	·0048	·0048	·0048	·0044	·0037	·0028	·0034	·0016	·0002	·0020
15	·0002	·9992	·9980	·9968	·9954	·9942	·9935	·9927	·9928	·9928	·9925	·9928	·9945	·9960	·9979	·9991	·0007	·0020	·0037	·0044	·0054	·0060	·0066	·0072	·0078	·9987
16	·0078	·0085	·0091	·0095	·0095	·0099	·0105	·0111	·0117	·0122	·0128	·0127	·0124	·0122	·0123	·0123	·0124	·0124	·0123	·0122	·0122	·0119	·0119	·0114	·0109	·0114
17	·0109	·0113	·0113	·0113	·0116	·0115	·0112	·0115	·0117	·0121	·0125	·0125	·0121	·0123	·0121	·0123	·0125	·0126	·0129	·0130	·0137	·0134	·0141	·0139	·0138	·0123
18	·0138	·0131	·0131	·0124	·0121	·0113	·0110	·0105	·0098	·0089	·0093	·0086	·0078	·0069	·0055	·0058	·0054	·0052	·0051	·0052	·0052	·0052	·0051	·0051	·0048	·0082
19	·0048	·0047	·0048	·0051	·0051	·0048	·0051	·0052	·0060	·0067	·0075	·0075	·0075	·0075	·0075	·0074	·0082	·0080	·0082	·0076	·0069	·0059	·0053	·0042	·0034	·0063
20	·0034	·0020	·0011	·9994	·9975	·9957	·9939	·9928	·9912	·9896	·9878	·9868	·9859	·9879	·9906	·9931	·9959	·9980	·9998	·0008	·0017	·0020	·0024	·0022	·0019	·9959
21	·0019	·0000	·9996	·9979	·9957	·9936	·9906	·9879	·9856	·9841	·9834	·9831	·9840	·9856	·9889	·9921	·9959	·9988	·0012	·0031	·0043	·0054	·0068	·0077	·0086	·9950
22	·0086	·0091	·0098	·0099	·0100	·0100	·0102	·0101	·0104	·0101	·0093	·0085	·0069	·0048	·0027	·9998	·9969	·9934	·9907	·9885	·9879	·9882	·9894	·9918	·9955	·0021
23	·9955	·9980	·0023	·0056	·0086	·0105	·0128	·0144	·0161	·0176	·0192	·0194	·0198	·0201	·0208	·0209	·0209	·0205	·0201	·0197	·0184	·0174	·0163	·0154	·0132	·0150
24	·0132	·0116	·0102	·0088	·0066	·0051	·0038	·0028	·0018	·0009	·0002	·9998	·9990	·9988	·9993	·9992	·9994	·9994	·9997	·0000	·0006	·9999	·9994	·9986	·9966	·0021
25	·9966	·9958	·9948	·9937	·9930	·9929	·9929	·9928	·9934	·9941	·9946	·9951	·9954	·9960	·9972	·9981	·9991	·9996	·0004	·0011	·0016	·0017	·0025	·0030	·0040	·9970
26	·0040	·0042	·0050	·0056	·0061	·0056	·0071	·0075	·0082	·0085	·0087	·0084	·0077	·0069	·0054	·0040	·0020	·9999	·9979	·9977	·9978	·9981	·9990	·9998	·0001	·0039
27	·0001	·0012	·0036	·0052	·0070	·0077	·0089	·0098	·0107	·0112	·0123	·0122	·0124	·0127	·0131	·0138	·0141	·0143	·0149	·0158	·0166	·0172	·0174	·0171	·0174	·0116
28	·0174	·0176	·0179	·0178	·0177	·0176	·0174	·0175	·0174	·0177	·0180	·0180	·0176	·0171	·0175	·0175	·0176	·0175	·0173	·0172	·0176	·0178	·0179	·0180	·0179	·0176
29	·0179	·0179	·0177	·0180	·0169	·0174	·0178	·0185	·0188	·0190	·0195	·0192	·0190	·0188	·0188	·0188	·0189	·0187	·0188	·0188	·0187	·0184	·0185	·0182	·0181	·0185
30	·0181	·0175	·0176	·0175	·0174	·0174	·0174	·0182	·0182	·0187	·0193	·0194	·0192	·0191	·0195	·0197	·0201	·0208	·0211	·0218	·0226	·0227	·0232	·0236	·0239	·0197
31	·0239	·0240	·0246	·0248	·0251	·0253	·0258	·0264	·0271	·0276	·0287	·0282	·0280	·0282	·0283	·0286	·0282	·0289	·0290	·0294	·0296	·0296	·0294	·0297	·0296	·0276
Mean...	1·0 0715	1·0 0690	1·0 0692	1·0 0674	1·0 0648	1·0 0627	1·0 0623	1·0 0623	1·0 0639	1·0 0645	1·0 0661	1·0 0641	1·0 0619	1·0 0619	1·0 0647	1·0 0668	1·0 0694	1·0 0704	1·0 0715	1·0 0720	1·0 0724	1·0 0729	1·0 0746	1·0 0744	1·0 0732	1·0 0676
Normals 1871–1910.	1·0 1317	1·0 1301	1·0 1301	1·0 1295	1·0 1278	1·0 1267	1·0 1274	1·0 1284	1·0 1312	1·0 1334	1·0 1358	1·0 1348	1·0 1314	1·0 1288	1·0 1271	1·0 1274	1·0 1288	1·0 1295	1·0 1308	1·0 1321	1·0 1334	1·0 1338	1·0 1338	1·0 1338	1·0 1328	1·0 1308

(23793—24.) Wt. 41466—310. 375. 5/12. D & S. G. 30. Sch. 9.

KEW. TABLE III.—WIND.—DIRECTION (D) IN NUMBERS (8 = E. 16 = S. 24 = W. 32 = N.) AND VELOCITY

Days.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10		11.		Noon.	
	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.
1	15	4·5	15	2·7	—	1·3	15	3·1	16	3·6	16	2·7	16	3·1	16	3·1	13	2·7	15	2·7	15	2·7	15	4·0
2	17	4·5	16	4·5	17	3·6	16	2·2	17	3·1	17	3·1	16	3·1	15	3·1	15	3·6	15	5·4	15	4·0	15	4·5
3	17	4·5	16	4·5	17	4·5	16	4·0	17	3·1	17	3·1	17	4·5	17	4·0	17	4·9	18	5·4	17	4·9	22	4·5
4	18	2·2	18	2·2	18	1·8	—	1·3	18	1·8	18	2·2	18	2·7	21	3·1	19	2·2	19	2·7	21	3·1	20	3·6
5	14	4·5	13	4·5	15	7·2	15	8·1	15	8·1	15	7·6	15	6·7	15	6·3	18	4·5	20	1·8	20	2·7	20	3·1
6	—	1·3	—	0·9	—	1·3	—	0·9	21	1·8	—	0·9	—	0·9	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9
7	14	8·1	15	8·9	15	9·4	16	9·4	17	10·3	16	10·3	16	9·8	16	8·5	16	8·1	15	6·7	14	5·8	13	3·1
8	25	1·8	19	1·8	19	1·8	—	1·3	—	1·3	—	0·9	—	0·0	—	0·5	—	0·9	17	2·2	16	3·1	15	4·0
9	20	1·8	17	1·8	17	2·2	19	3·1	19	1·8	20	3·1	25	4·5	25	3·6	23	3·6	24	4·9	24	5·4	23	5·4
10	20	2·2	17	4·0	17	4·9	16	5·4	16	5·4	17	6·7	15	8·1	15	8·5	14	10·7	14	12·5	15	13·4	15	13·4
11	18	10·3	18	13·0	19	11·6	21	9·8	20	9·4	20	8·5	20	8·5	19	8·1	20	7·2	21	7·6	20	7·2	21	6·7
12	20	3·1	20	1·8	20	2·2	—	0·9	—	0·5	—	0·0	—	0·5	—	0·5	—	0·9	20	1·8	20	1·8	20	3·1
13	10	4·0	12	4·0	10	4·9	11	6·7	9	5·4	9	8·1	9	7·6	11	8·5	10	6·7	11	8·1	11	7·6	14	7·6
14	13	3·6	12	3·6	10	3·6	12	4·0	23	4·9	22	4·0	20	3·6	20	2·2	20	2·2	20	3·1	18	3·6	18	4·5
15	10	7·6	10	7·6	10	7·6	12	6·7	12	7·2	13	6·7	13	6·7	14	6·7	14	6·7	14	6·7	18	7·6	21	9·4
16	18	2·7	18	2·7	18	3·1	18	3·6	18	3·1	18	2·2	—	1·3	—	1·3	—	1·3	18	1·8	17	3·6	17	3·6
17	17	7·6	17	8·1	18	8·1	17	6·7	18	6·7	18	7·6	18	8·1	18	8·9	17	8·9	17	9·4	18	9·4	18	9·4
18	16	4·9	16	4·9	16	6·7	15	5·8	15	4·9	15	4·9	15	4·9	15	4·9	15	6·7	16	6·3	15	5·4	15	7·2
19	16	5·4	16	5·4	17	5·4	17	4·9	18	4·9	18	4·9	16	5·8	17	4·0	18	4·5	18	5·4	19	4·0	18	5·4
20	16	4·5	15	5·4	15	5·4	14	5·4	14	5·8	14	4·9	15	4·5	14	4·0	14	4·0	14	3·1	14	2·2	19	5·4
21	19	2·2	19	1·8	14	2·7	14	3·6	14	4·5	12	6·7	10	5·4	10	5·4	10	4·5	8	4·5	4	3·6	2	4·5
22	23	3·1	21	4·5	21	4·5	21	3·6	21	2·7	21	1·8	21	2·7	21	3·1	21	4·0	21	4·0	20	3·1	19	2·7
23	32	8·1	32	6·7	31	5·4	29	4·5	28	4·9	28	3·1	21	2·2	23	2·7	24	3·1	24	2·7	24	1·8	24	1·8
24	15	6·7	15	7·2	15	5·4	16	5·8	16	6·7	16	7·6	18	6·7	17	7·2	18	7·6	18	8·1	18	6·7	19	6·7
25	16	3·6	—	1·3	—	1·3	16	2·2	19	4·0	20	3·6	20	4·0	21	3·1	21	3·6	20	4·5	20	4·0	21	5·8
26	21	4·5	22	4·5	22	4·9	23	3·6	22	3·6	22	4·0	22	1·8	20	2·7	20	3·1	20	4·0	20	3·1	20	2·7
27	25	8·1	27	6·7	30	4·5	28	4·5	30	3·6	—	1·3	30	1·8	—	0·9	21	1·8	21	1·8	—	1·3	22	1·8
28	—	1·3	—	1·3	—	0·9	—	0·9	—	0·9	22	1·8	18	1·8	18	1·8	18	2·7	19	3·1	19	2·7	21	3·6
29	21	4·0	22	4·5	23	4·9	20	4·0	20	1·8	20	1·8	20	1·8	20	2·2	20	1·8	20	3·1	20	2·7	20	2·7
30	20	4·9	20	4·9	20	4·9	21	4·5	20	4·5	20	4·5	22	3·1	19	2·7	19	2·7	20	3·1	21	3·1	21	2·7
31	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	—	0·5	—	1·3	17	2·7	—	1·3	20	1·8	25	1·8	24	2·2
Mean ...	—	4·4	—	4·4	—	4·4	—	4·2	—	4·2	—	4·2	—	4·1	—	4·0	—	4·1	—	4·5	—	4·3	—	4·7
Normals, 1881–1910.	—	3·4	—	3·4	—	3·3	—	3·4	—	3·4	—	3·4	—	3·4	—	3·5	—	3·6	—	3·7	—	4·1	—	4·3

These observations were obtained from a Robinson cup anemometer having cups 9 inches in diameter, carried on arms measuring 2 feet from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results instead of 3·0, the factor used in corresponding tables till the end of 1904. No correction has been applied for friction. When the velocity is less than 1·8 metres per second, the direction is omitted, the record not being trustworthy in very light airs.

(V) IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE ROBINSON ANEMOMETER. DECEMBER, 1911.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		Midt.		Mean. (Day.)	
D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	V.	
16	3·1	15	3·1	16	3·1	17	3·1	16	3·6	16	3·1	16	3·1	16	4·0	17	3·1	17	3·1	16	3·1	18	4·5	3·2	1
15	4·5	16	4·5	16	4·9	16	4·5	15	5·4	15	5·8	15	4·5	18	4·5	16	4·9	16	5·4	16	5·4	16	5·4	4·4	2
19	3·1	20	2·7	20	2·7	20	2·7	20	1·8	20	2·2	20	1·8	18	1·8	18	1·8	18	1·8	18	1·8	18	1·8	3·2	3
22	4·5	22	4·0	21	3·6	21	3·1	21	1·8	21	2·2	21	1·8	21	1·8	16	2·2	16	3·1	16	4·5	16	4·5	2·8	4
21	4·5	21	3·1	21	2·7	21	2·7	21	2·7	21	2·2	21	3·1	21	2·2	21	1·8	21	2·2	21	1·8	21	1·8	4·0	5
16	2·2	16	3·1	16	2·7	16	2·7	16	1·8	16	2·2	16	1·8	16	3·1	16	4·5	16	3·6	16	4·5	16	5·4	2·1	6
26	3·1	30	7·2	30	8·1	29	4·9	29	3·6	28	3·6	27	3·1	27	1·8	27	2·2	27	1·8	25	1·8	—	0·9	5·9	7
15	4·5	15	5·4	16	5·8	13	7·2	14	8·5	14	8·9	13	8·1	14	7·2	12	6·7	13	4·5	15	4·5	16	3·6	3·9	8
23	6·7	23	4·5	21	4·9	22	3·6	22	1·8	20	3·1	20	3·1	20	3·1	20	2·7	20	2·7	20	3·1	20	2·7	3·5	9
15	13·4	15	12·1	16	9·4	15	8·5	15	10·3	15	8·1	16	8·1	15	9·4	18	8·5	19	7·6	18	7·6	16	7·6	8·6	10
21	6·7	21	5·8	20	4·9	20	4·0	21	4·0	24	1·8	21	3·1	20	4·0	20	3·1	20	3·1	20	2·2	20	2·7	6·4	11
18	4·0	18	4·5	18	3·1	18	2·7	18	2·2	18	2·7	18	1·8	18	1·8	18	1·8	15	4·0	12	3·1	10	3·6	2·2	12
13	6·7	13	5·4	15	6·7	15	6·3	15	4·5	15	4·5	15	4·9	15	3·6	15	4·5	15	5·4	13	3·1	13	2·7	5·7	13
16	3·6	17	4·5	16	3·6	16	3·1	14	2·7	15	4·5	13	3·1	11	4·0	13	4·5	13	3·6	12	5·4	10	7·2	3·9	14
21	9·4	21	7·2	21	6·3	21	5·8	20	4·5	20	4·5	20	5·4	19	5·4	18	5·4	18	4·5	19	4·9	18	4·5	6·5	15
17	3·1	17	4·0	17	3·6	17	4·5	17	3·6	16	4·5	16	5·4	17	5·8	16	6·3	16	5·8	16	6·3	16	7·6	3·8	16
17	8·1	17	8·9	17	6·7	17	7·6	16	7·6	16	6·7	16	6·7	17	5·4	16	5·4	16	5·4	17	4·5	16	4·9	7·4	17
16	6·3	15	6·7	16	7·6	16	8·1	16	6·7	16	7·6	17	7·6	17	8·1	17	7·6	17	5·8	17	5·8	17	6·7	6·3	18
19	4·9	18	4·0	17	4·0	17	4·0	17	3·6	17	3·1	17	1·8	15	2·7	15	3·1	17	4·5	17	5·4	16	4·0	4·4	19
25	9·4	25	9·8	25	8·9	24	9·4	23	8·9	23	8·5	23	5·4	20	5·4	21	5·4	20	4·9	19	3·6	19	3·1	5·7	20
32	4·5	30	4·5	30	5·4	29	6·7	29	6·3	28	4·0	24	4·5	24	3·1	23	4·0	24	5·8	23	4·5	22	3·1	4·4	21
16	3·1	13	4·9	10	4·5	12	4·9	10	5·8	9	5·4	8	3·1	—	0·5	—	1·3	32	3·1	30	4·9	32	5·4	3·6	22
24	1·8	21	1·8	21	1·8	—	1·3	21	1·8	17	2·7	17	2·2	17	2·2	17	2·2	15	3·6	15	3·6	15	6·3	3·3	23
20	6·7	22	6·7	19	7·2	20	6·7	19	6·7	20	6·7	20	5·4	20	5·4	20	4·0	—	1·3	22	2·2	17	2·2	6·0	24
23	5·4	23	4·9	23	4·5	23	3·1	22	3·6	21	3·6	20	3·6	22	3·6	22	4·5	21	5·4	21	4·9	21	4·5	3·9	25
20	2·2	16	3·1	16	3·1	12	4·0	14	4·5	17	6·7	20	5·4	22	5·4	22	5·8	23	7·2	23	5·4	23	5·8	4·2	26
22	1·8	22	1·8	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	—	0·9	—	1·3	—	0·9	2·2	27
22	4·5	23	5·4	22	5·4	21	5·4	21	5·8	22	5·4	22	5·4	21	4·9	23	4·9	23	4·5	23	4·0	23	5·4	3·5	28
20	2·7	20	3·1	20	2·7	21	3·1	21	2·2	21	3·1	19	4·0	20	4·0	20	5·4	19	4·9	19	5·4	20	5·4	3·4	29
22	3·6	23	1·8	23	1·8	23	1·8	—	0·9	—	0·5	—	0·9	—	0·9	—	0·9	—	1·3	—	0·9	—	0·9	2·6	30
25	2·7	25	2·7	24	1·8	19	2·2	19	2·2	19	2·7	19	1·8	19	2·2	19	3·1	19	3·1	20	2·2	—	1·3	1·9	31
—	4·9	—	4·9	—	4·6	—	4·5	—	4·2	—	4·2	—	3·9	—	3·8	—	4·0	—	4·0	—	3·9	—	4·1	4·3	Normals 1881–1910.
—	4·3	—	4·2	—	3·9	—	3·7	—	3·6	—	3·6	—	3·6	—	3·5	—	3·6	—	3·5	—	3·4	—	3·5	3·6	

KEW. TABLE IV.—RAINFALL IN MILLIMETRES. DECEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51
3	0·51	0·25	0·25	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·26
4	—	0·25	—	—	—	—	—	2·03	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·79
5	—	—	—	—	0·25	0·25	1·78	2·54	2·79	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8·37
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
7	—	—	—	—	0·51	1·27	2·03	1·02	1·27	2·03	1·78	0·51	0·76	—	—	—	—	—	—	—	—	—	—	—	11·18
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·51	1·52	—	0·25	0·25	—	2·03	4·56
9	1·02	—	—	—	—	0·25	1·02	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·05
10	—	—	—	—	—	—	—	0·25	0·76	1·78	1·27	0·51	0·25	0·25	0·51	—	1·02	1·52	1·02	0·51	1·27	—	—	—	10·92
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
13	—	—	—	—	—	—	—	—	—	0·76	—	—	0·76	—	—	—	—	—	—	—	—	—	—	—	1·52
14	—	—	0·76	2·03	1·78	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·33
15	0·25	0·76	2·54	2·03	1·78	1·52	0·51	—	—	0·25	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	9·89
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	0·25	0·25	—	—	—	—	—	—	—	—	—	—	0·25	—	0·76	1·52	1·27	—	—	—	—	—	—	—	4·30
18	—	—	—	—	—	—	0·25	0·25	—	—	—	0·25	0·51	0·25	0·25	0·76	1·27	0·51	—	—	—	—	0·25	—	4·55
19	—	—	—	—	—	0·51	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
20	—	—	—	0·76	—	—	0·25	0·25	0·25	0·51	2·03	2·03	1·52	1·02	—	—	—	—	—	—	—	—	—	—	8·62
21	—	—	0·25	0·76	1·78	2·03	0·51	—	0·51	—	—	—	—	—	0·25	0·51	0·25	—	—	—	—	—	—	—	6·85
22	—	—	—	—	—	—	—	—	—	—	—	—	—	1·52	2·29	2·79	0·76	0·76	0·76	—	1·02	—	—	—	9·90
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·02	1·02	2·04
24	—	—	—	—	—	—	—	—	—	0·76	1·02	—	—	—	—	—	—	—	—	—	—	—	—	2·03	3·81
25	1·27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	1·52
26	—	—	—	—	—	—	—	—	—	—	—	—	1·78	1·78	1·52	1·27	0·51	—	—	—	—	—	—	—	6·86
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·81
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum ...	3·30	1·51	4·05	5·83	6·10	6·59	6·35	7·35	6·09	6·85	6·10	3·55	5·83	4·82	5·58	6·85	5·08	3·30	3·55	0·51	2·54	0·25	1·27	5·59	112·90
Normals 1871–1910.	2·16	2·39	2·36	2·57	2·49	2·08	1·88	2·03	2·18	1·83	1·75	1·98	1·93	1·96	2·54	2·46	2·01	2·08	2·24	2·01	2·13	1·98	2·03	2·29	51·36

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns but are included in the daily totals.

KEW. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. DECEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout.
2	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	—	—	—	0·1	Fair during day, but misty.
3	—	—	—	—	—	·4	·6	1·0	·2	—	·1	·3	—	—	—	—	—	2·6	●⁰ till 4h., then fine to dull.
4	—	—	—	—	—	—	—	·6	·9	1·0	·9	1·0	·2	—	—	—	—	4·6	Fine after 10h. 30m.
5	—	—	—	—	—	—	—	—	·1	·7	·6	·5	—	—	—	—	—	1·9	● A.M., clearing later. [at 20h. 30m.
6	—	—	—	—	—	—	·2	1·0	1·0	1·0	1·0	·5	—	—	—	—	—	4·7	▭ ; ≋², cleared about 10h. 30m. ; U
7	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	0·1	Squally, dull, to fine in evening.
8	—	—	—	—	—	—	·8	·1	·3	—	—	—	—	—	—	—	—	1·2	▭ ; fine, to dull with ●.
9	—	—	—	—	—	—	·6	1·0	1·0	1·0	·8	·9	—	—	—	—	—	5·3	● early, then fine all day.
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	● and strong wind most of day.
11	—	—	—	—	—	·1	·7	1·0	1·0	1·0	·9	·4	—	—	—	—	—	5·1	Strong wind early ; fine.
12	—	—	—	—	—	—	—	—	·2	·4	·3	·2	—	—	—	—	—	1·1	▭ ; fair.
13	—	—	—	—	—	—	—	·5	·1	—	—	—	—	—	—	—	—	0·6	Rather dull.
14	—	—	—	—	—	·2	1·0	·7	1·0	1·0	·2	—	—	—	—	—	—	4·1	● at first, then fine most of day.
15	—	—	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	0·1	Dull with ● to fair.
16	—	—	—	—	—	·3	·8	·4	—	—	—	—	—	—	—	—	—	1·5	A.M. fine but misty ; P.M. dull.
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull throughout with drizzling ●.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull with ● in afternoon.
19	—	—	—	—	—	—	—	—	·5	·8	—	·3	—	—	—	—	—	1·6	A.M. dull : P.M. finer.
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull, with ● and strong Wly. wind.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast generally.
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull and misty.
23	—	—	—	—	—	—	·9	·9	·6	·2	—	—	—	—	—	—	—	2·6	Fine till 13h., cloudy later.
24	—	—	—	—	—	—	—	—	—	·3	·9	·2	—	—	—	—	—	1·4	Dull morning, improving in afternoon.
25	—	—	—	—	—	—	·4	·3	·2	—	·3	·1	—	—	—	—	—	1·3	Fine to cloudy.
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fair to dull.
27	—	—	—	—	—	—	·7	·9	·9	·5	·1	—	—	—	—	—	—	3·1	Fine most of day, but ● 20h.–22h.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull all day.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Overcast throughout and ≋⁰
30	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	—	0·1	Dull generally.
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fog early, remaining misty and overcast.
	—	—	—	—	—	1·0	6·8	8·4	8·1	7·9	6·2	4·5	0·2	—	—	—	—	43·1	Total.
	—	—	—	—	—	1·59	5·16	6·36	6·87	7·25	6·38	2·76	—	—	—	—	—	36·36	Normals, 1881–1910.

KEW.

TABLE VI.

TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. DECEMBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	80°·4	80°·2	79°·2	79°·3	80°·0	79°·9	79°·8	79°·8	79°·8	80°·1	80°·2	80°·7	81°·0	81°·4	81°·4	81°·4	81°·1	81°·0	81°·0	81°·1	81·1	81°·2	81°·2	81°·4	81°·4	80°·6
2	81·4	81·3	80·9	80·9	80·9	81·0	80·9	80·9	80·5	80·8	81·7	81·9	81·8	81·7	81·3	81·4	81·4	81·3	81·0	81·3	82·0	82·3	82·4	82·5	82·1	81·4
3	82·1	82·1	82·1	82·4	82·5	82·8	82·9	83·2	83·4	83·8	83·9	84·3	84·4	84·5	84·4	83·8	82·5	81·6	81·3	81·1	80·8	80·4	79·7	79·4	79·7	82·4
4	79·7	79·5	79·0	78·6	77·9	77·1	77·2	77·8	78·7	79·0	79·2	79·8	80·1	80·8	80·6	80·4	79·1	78·1	76·9	76·4	75·8	75·7	76·5	78·0	78·9	78·4
5	78·9	79·5	80·2	81·4	81·7	81·4	81·4	81·5	81·7	81·8	81·0	81·1	81·4	82·2	81·9	81·7	80·8	80·2	79·6	78·6	78·0	77·4	76·8	76·3	75·8	80·2
6	75·8	75·3	75·1	74·7	73·1	73·5	73·6	72·6	71·8	72·0	72·2	75·2	76·3	79·1	79·6	79·5	78·4	77·4	77·0	77·0	77·1	77·9	78·1	78·7	79·5	76·0
7	79·5	80·1	80·3	80·9	81·0	79·9	79·2	78·9	79·0	79·0	78·8	79·3	79·6	80·1	79·5	79·3	78·6	78·0	77·6	77·2	76·3	76·0	75·0	74·9	74·3	78·6
8	74·3	73·9	73·4	73·2	73·0	73·0	73·0	72·2	71·8	71·9	73·6	76·8	77·9	78·2	79·0	79·2	78·9	78·9	78·2	76·8	76·5	77·0	77·8	78·8	79·0	75·8
9	79·0	78·2	78·0	77·6	77·3	77·6	77·5	77·6	77·6	77·6	78·1	78·9	79·2	79·7	79·8	79·4	78·2	76·9	76·8	76·4	76·5	76·4	76·2	77·1	77·1	77·8
10	77·1	77·2	78·7	79·5	80·6	81·2	81·1	81·3	81·3	81·2	81·0	80·8	80·7	80·9	81·0	81·2	81·2	81·4	81·5	82·1	82·2	82·0	81·1	80·4	80·4	80·8
11	80·4	80·9	80·9	80·8	80·2	80·1	79·8	79·5	79·3	79·3	79·7	80·4	80·7	81·1	81·0	80·7	79·6	79·1	78·5	77·9	77·4	77·0	76·4	76·3	75·8	79·4
12	75·8	75·7	75·7	75·3	74·6	74·3	73·6	73·8	74·5	75·3	76·9	78·5	80·2	80·9	82·4	81·5	80·6	79·5	78·8	78·6	78·2	78·6	79·2	78·7	78·4	77·6
13	78·4	79·2	79·1	79·2	79·3	79·5	79·5	79·7	79·6	79·8	80·4	81·0	81·3	81·0	81·3	81·9	81·9	81·7	81·7	81·7	81·2	81·7	81·9	81·7	80·9	80·6
14	80·9	81·3	81·2	80·9	81·0	79·6	78·8	79·0	79·0	78·7	79·6	81·0	81·9	82·4	82·6	82·1	81·1	81·0	81·9	81·9	81·5	81·9	81·8	81·5	81·5	81·0
15	81·5	81·3	81·0	81·1	81·0	81·3	81·3	81·7	82·1	82·4	82·5	83·1	81·5	81·3	81·3	81·3	81·0	80·3	79·7	79·6	79·5	79·6	79·2	79·5	79·3	81·0
16	79·3	78·8	78·0	77·9	77·8	77·9	77·7	77·1	77·3	77·2	78·8	80·2	81·1	81·7	82·1	82·4	82·3	82·3	82·4	82·5	82·9	83·2	83·4	83·6	83·8	80·4
17	83·8	83·6	83·6	83·7	83·8	84·1	84·0	84·0	84·1	84·2	84·7	84·8	85·0	84·6	84·0	83·7	83·2	82·8	82·6	83·2	83·5	83·5	83·4	83·2	83·2	83·8
18	83·2	83·2	83·1	83·2	83·5	83·3	83·4	83·0	82·6	83·1	83·5	83·6	83·4	82·6	82·4	82·2	82·1	82·2	82·1	82·9	83·6	83·6	83·2	83·4	83·5	83·0
19	83·5	83·7	83·9	83·9	83·7	83·8	83·8	83·8	83·7	83·8	83·8	83·7	83·6	84·1	84·1	84·2	83·0	82·3	81·7	81·3	80·9	82·0	83·1	82·8	83·4	83·3
20	83·4	83·6	83·8	83·8	83·6	83·4	83·3	83·1	82·9	83·0	83·0	82·9	83·0	81·0	81·2	81·9	82·0	81·7	81·2	81·2	81·2	80·2	79·8	79·6	79·3	82·2
21	79·3	79·2	78·8	79·7	80·2	79·8	79·2	79·3	79·8	80·2	80·4	80·8	80·5	80·7	80·4	79·8	79·8	79·2	79·3	79·4	79·4	79·9	80·1	79·2	78·9	79·8
22	78·9	78·1	77·9	78·0	77·5	77·3	77·0	76·9	77·1	77·6	78·5	79·1	79·2	79·8	79·3	78·7	78·8	78·6	79·0	79·7	79·9	79·7	79·1	79·1	78·5	78·5
23	78·5	78·2	78·6	78·7	78·5	77·9	77·3	76·4	75·9	75·9	76·5	77·4	78·1	79·0	79·1	79·0	78·0	76·9	76·6	76·3	76·1	76·7	77·4	78·7	79·5	77·6
24	79·5	79·6	79·9	80·3	81·2	82·1	82·5	83·2	83·4	83·8	84·1	84·0	83·8	83·9	83·4	82·9	82·3	81·7	81·2	80·7	80·3	80·0	78·9	78·1	79·6	81·7
25	79·6	78·9	78·7	78·2	77·8	78·4	78·1	77·8	77·5	78·1	78·2	78·6	79·6	79·8	79·9	80·0	79·6	79·5	78·8	79·5	79·1	79·2	79·1	79·1	78·2	78·9
26	78·2	78·7	78·7	79·0	78·9	78·9	78·5	77·8	77·5	78·0	78·8	79·3	79·5	79·6	79·2	79·2	79·1	79·3	80·6	81·9	82·6	82·6	82·5	82·4	82·4	79·7
27	82·4	82·4	81·1	79·9	79·1	78·6	78·4	78·2	77·6	77·0	77·1	78·6	79·3	80·1	80·2	79·9	79·3	78·4	78·0	78·6	78·8	78·6	78·2	78·5	78·4	79·0
28	78·4	78·4	78·4	78·6	78·7	79·0	79·5	79·9	80·3	81·3	81·7	82·4	83·5	83·8	83·6	83·5	83·0	83·0	83·0	82·6	82·8	82·9	82·8	82·9	82·8	81·5
29	82·8	82·6	82·5	82·6	82·4	81·8	81·7	81·8	81·8	82·0	82·4	82·7	82·7	82·9	82·9	82·9	82·5	82·4	82·4	82·4	82·0	81·8	81·5	81·5	81·6	82·3
30	81·6	81·8	81·9	81·9	81·9	81·9	82·1	82·1	81·9	82·1	82·3	82·8	83·4	83·6	83·6	83·5	83·2	83·1	83·1	82·9	82·5	81·9	81·3	80·3	80·2	82·3
31	80·2	79·8	79·7	79·8	79·7	79·3	79·5	79·6	79·7	79·8	80·1	80·8	81·0	80·8	80·6	80·9	81·0	81·3	81·3	81·3	81·4	81·5	81·3	81·4	81·1	80·5
Mean ...	79·9	79·9	79·8	79·8	79·8	79·7	79·5	79·5	79·5	79·7	80·1	80·8	81·1	81·4	81·4	81·3	80·8	80·4	80·2	80·1	80·0	80·1	79·9	80·0	80·0	80·2
Normals 1871–1910.	76·9	76·8	76·7	76·7	76·7	76·7	76·6	76·7	76·6	76·9	77·3	77·9	78·4	78·7	78·8	78·7	78·2	77·9	77·6	77·5	77·3	77·2	77·1	77·0	76·9	77·4

TABLE VII.

KEW. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). DECEMBER, 1911.

1	89	88	90	90	87	87	85	89	86	85	85	86	86	84	83	85	84	87	88	89	90	91	91	90	90	87·3
2	90	91	92	92	92	91	91	91	91	92	88	87	88	90	92	91	89	87	91	90	88	87	87	86	91	89·8
3	91	92	93	93	94	93	94	94	94	92	88	85	79	82	81	77	81	84	86	89	90	92	94	94	95	88·9
4	95	92	92	92	92	91	90	93	90	89	90	85	80	72	71	70	76	78	82	82	83	79	81	76	81	83·5
5	81	76	79	80	82	89	91	91	91	92	92	93	89	79	75	77	82	82	81	84	81	84	86	85	88	84·4
6	88	90	91	90	92	90	89	93	87	86	85	87	88	75	74	73	80	84	83	86	86	80	80	79	78	84·6
7	78	77	74	76	77	79	83	86	85	86	86	87	89	93	86	77	78	76	71	74	80	80	85	82	86	81·2
8	86	86	87	85	87	87	86	85	85	85	84	81	78	79	75	72	70	69	79	86	89	88	92	90	92	83·1
9	92	92	92	91	93	91	91	90	89	88	80	70	66	60	61	68	75	84	83	83	83	84	85	87	88	82·3
10	88	88	85	86	86	83	89	84	87	82	86	89	88	89	91	90	91	91	90	91	90	87	86	80	72	87·0
11	72	71	73	73	74	71	69	74	73	74	73	74	71	69	69	71	76	77	80	80	82	82	85	85	86	75·2
12	86	87	88	87	89	88	92	91	94	92	90	88	86	84	80	83	84	88	90	91	95	92	91	91	93	88·8
13	93	91	86	86	87	85	84	81	79	78	80	84	80	86	87	84	84	86	86	87	88	88	86	89	92	85·2
14	92	91	89	91	93	87	90	91	92	92	90	87	83	77	78	81	86	88	85	86	86	80	80	83	83	86·4
15	83	85	90	90	92	91	92	91	89	89	91	85	81	75	75	72	75	77	81	79	80	82	85	81	84	83·8
16	84	89	89	87	87	87	89	90	94	89	90	86	86	87	89	88	88	88	89	91	89	89	88	88	88	88·5
17	88	92	92	92	90	88	89	88	86	86	81	81	76	89	84	84	86	87	90	87	85	82	82	82	82	86·0
18	82	84	85	85	84	86	85	88	90	81	77	75	76	85	86	87	87	89	90	88	86	87	90	90	90	85·7
19	90	90	89	89	92	89	88	91	92	90	90	88	86	80	82	81	86	87	88	91	92	93	91	90	89	88·5
20	89	89	90	90	92	91	89	92	93	93	93	94	93	81	85	73	70	69	74	76	81	82	85	82	85	85·2
21	85	86	89	84	86	89	86	89	89	91	91	89	89	88	89	89	86	83	83	84	82	78	79	82	80	86·0
22	80	83	85	85	88	86	88	87	88	88	87	82	84	83	88	90	92	88	91	92	93	94	94	89	88	87·9
23	88	89	84	82	82	82	84	88	88	86	87	83	82	79	79	81	83	86	87	84	86	85	84	86	86	84·3
24	86	87	90	91	92	91	92	91	92	90	90	92	86	78	65	70	77	77	80	76	76	75	82	84	87	83·8
25	87	89	90	91	90	89	89	87	85	83	83	80	76	72	69	68	73	75	82	77	81	77	79	77	84	81·2
26	84	79	80	77	78	77	81	83	87	87	86	83	85	87	91	91	94	92	95	92	85	81	76	77	75	84·3
27	75	73	74	77	80	79	81	84	87	88	88	79	78	76	74	77	80	86	90	86	89	92	95	93	94	82·9
28	94	93	94	93	94	94	95	96	95	95	96	94	91	88	82	79	80	80	79	83	82	81	82	81	82	88·1
29	82	81	82	81	84	87	88	87	87	88	87	84	85	83	81	78	80	84	83	84	86	83	84	85	84	84·0
30	84	85	86	84	83	86	84	84	86	86	84	82	82	81	82	83	86	88	89	88	92	93	95	94	97	86·4
31	97	96	94	94	95	97	95	95	97	93	88	83	83	85	89	91	91	90	90	91	91	91	92	92	93	91·6
Mean ...	86·4	86·5	86·9	86·6	87·5	87·1	87·7	88·5	88·6	87·6	86·6	84·6	82·9	81·2	80·4	80·0	82·3	83·5	85·0	85·4	86·0	85·1	86·2	85·5	86·5	85·3
Normals 1886–1910.	87·9	87·4	88·0	87·6	88·0	87·8	88·1	87·4	87·9	87·1	86·4	84·4	83·0	81·8	81·1	81·9	84·0	85·0	86·1	86·2	86·8	86·8	87·4	87·3	87·9	86·1

[Price Sixpence.]

METEOROLOGICAL OFFICE OBSERVATORIES.

Hourly Values from Autographic Records. Meteorological Section.

Long. 3° 12′ W., Lat. 55° 19′ N. **ESKDALEMUIR.** DECEMBER, 1911.

Heights above Mean Sea Level: Station, H = 243·2m. Barometer, H_b = 237·1m. Heights above Ground: Thermometers, h_t = 0·8m. Rain-gauge, h_r = 0·3m. Sunshine Recorder, h_s = 1·5m. Vane of Anemometer, h_a = 15·2m.

TABLES

Of DAILY EXTREMES of Pressure and Temperature, and of HOURLY READINGS as follows:—

PRESSURE.—At each hour of Greenwich Mean Time (corrected for Gravity).
WIND.—Velocity—Distance recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
RAINFALL.—Recorded in the interval from 30m. before to 30m. after each hour, G.M.T.
SUNSHINE.—Recorded in the interval from 30m. before to 30m. after each hour of Local Apparent Time.
TEMPERATURE.—Dry Bulb at each hour, G.M.T.
RELATIVE HUMIDITY.—Calculated from readings of Dry and Wet Bulb Thermometers at each hour, G.M.T.

NOTE.—The mean values for the day given below are computed according to the formula $\frac{1}{24}\left\{1+...+23+\frac{1}{2}(0+24)\right\}$

(For Tables for the Gravity Correction, and for the reduction of the Observations to Sea Level, &c., *see* Preface.)

TABLE I.

ESKDALEMUIR. DAILY EXTREMES of PRESSURE* and TEMPERATURE.† DECEMBER, 1911.

DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.		DAY.	PRESSURE.		TEMPERATURE.	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
	bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°		bar.	bar.	°	°
1	·9886	·9812	81·4	79·6	9	·9681	·9584	76·3	72·4	17	·9767	·9710	82·2	80·6	25	·9696	·9624	75·4	**68·6**
2	·9836	·9723	82·1	77·5	10	·9665	·9427	78·7	74·2	18	·9763	·9641	**83·4**	79·7	26	·9734	·9693	77·5	74·0
3	·9775	·9741	81·4	75·2	11	·9619	**·9422**	78·6	74·6	19	·9723	·9674	80·7	77·6	27	·9851	·9733	77·8	74·9
4	·9795	·9726	75·9	73·1	12	·9725	·9619	79·7	76·0	20	·9682	·9589	80·1	77·4	28	·9850	·9783	82·4	76·3
5	·9765	·9636	79·1	74·0	13	·9726	·9642	79·3	74·9	21	·9724	·9629	77·4	74·6	29	·9868	·9808	80·5	75·8
6	·9849	·9689	76·8	72·3	14	·9738	·9675	78·2	73·0	22	·9758	·9700	77·0	73·2	30	·9923	·9804	80·0	77·2
7	·9759	·9637	76·7	73·8	15	·9719	·9616	79·5	76·8	23	·9874	·9755	76·9	71·9	31	**·9981**	·9923	79·5	77·7
8	·9761	·9592	76·3	72·8	16	·9770	·9683	81·3	77·4	24	·9755	·9535	81·1	74·3	Mean	—	—	79·1	75·2

TABLE II.

ESKDALEMUIR. DECEMBER, 1911.

PRESSURE* IN C. G. S. ATMOSPHERES (BARS, OR MEGADYNES PER SQUARE CENTIMETRE). First figure (0 or 1) omitted.

The readings are corrected for temperature and for the effect of Gravity, but are not reduced to Mean Sea Level.

DAYS.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.	bar.
1	·9885	·9883	·9880	·9875	·9869	·9866	·9864	·9862	·9861	·9865	·9864	·9855	·9852	·9846	·9841	·9836	·9834	·9833	·9828	·9825	·9821	·9821	·9816	·9813	·9812	·9848
2	·9812	·9815	·9821	·9827	·9825	·9828	·9834	·9828	·9830	·9829	·9829	·9819	·9801	·9789	·9779	·9771	·9760	·9752	·9744	·9734	·9729	·9726	·9725	·9733	·9741	·9788
3	·9741	·9750	·9754	·9756	·9760	·9764	·9768	·9772	·9773	·9772	·9768	·9764	·9757	·9758	·9756	·9755	·9757	·9760	·9760	·9758	·9758	·9757	·9757	·9760	·9761	·9760
4	·9761	·9764	·9769	·9771	·9768	·9771	·9776	·9779	·9782	·9788	·9790	·9791	·9790	·9790	·9794	·9794	·9792	·9789	·9785	·9780	·9772	·9763	·9754	·9741	·9726	·9777
5	·9726	·9706	·9688	·9670	·9660	·9651	·9646	·9642	·9642	·9638	·9638	·9642	·9644	·9644	·9653	·9663	·9675	·9690	·9707	·9715	·9729	·9739	·9745	·9755	·9765	·9680
6	·9765	·9777	·9786	·9798	·9810	·9819	·9827	·9833	·9837	·9839	·9846	·9847	·9845	·9840	·9830	·9824	·9816	·9805	·9792	·9776	·9761	·9743	·9725	·9706	·9689	·9800
7	·9689	·9666	·9653	·9643	·9643	·9641	·9643	·9648	·9662	·9680	·9688	·9693	·9701	·9706	·9715	·9723	·9727	·9734	·9738	·9743	·9747	·9751	·9753	·9757	·9757	·9699
8	·9757	·9758	·9759	·9758	·9756	·9746	·9740	·9734	·9728	·9717	·9712	·9703	·9688	·9672	·9656	·9642	·9534	·9625	·9616	·9612	·9609	·9604	·9599	·9595	·9592	·9681
9	·9592	·9588	·9587	·9585	·9586	·9587	·9592	·9598	·9608	·9617	·9629	·9633	·9643	·9654	·9659	·9668	·9673	·9675	·9679	·9675	·9679	·9679	·9676	·9673	·9664	·9636
10	·9664	·9661	·9652	·9657	·9636	·9627	·9620	·9614	·9606	·9601	·9584	·9569	·9551	·9528	·9500	·9475	·9447	·9430	·9433	·9444	·9455	·9454	·9455	·9454	·9450	·9542
11	·9450	·9444	·9432	·9425	·9422	·9422	·9425	·9426	·9436	·9448	·9452	·9464	·9478	·9489	·9507	·9519	·9539	·9549	·9563	·9567	·9581	·9593	·9602	·9612	·9619	·9497
12	·9619	·9627	·9636	·9640	·9641	·9644	·9649	·9655	·9665	·9676	·9681	·9689	·9692	·9693	·9695	·9698	·9699	·9700	·9706	·9709	·9715	·9722	·9724	·9718	·9725	·9681
13	·9725	·9725	·9725	·9723	·9719	·9714	·9708	·9707	·9707	·9705	·9698	·9693	·9682	·9675	·9655	·9646	·9648	·9646	·9645	·9646	·9648	·9656	·9663	·9669	·9675	·9683
14	·9675	·9680	·9687	·9692	·9691	·9694	·9696	·9698	·9702	·9709	·9715	·9718	·9720	·9720	·9725	·9728	·9733	·9734	·9732	·9733	·9733	·9731	·9731	·9727	·9719	·9714
15	·9719	·9709	·9708	·9693	·9688	·9681	·9676	·9663	·9655	·9649	·9640	·9632	·9625	·9619	·9620	·9620	·9621	·9623	·9629	·9636	·9645	·9659	·9671	·9676	·9683	·9656
16	·9683	·9692	·9700	·9710	·9713	·9722	·9730	·9736	·9746	·9757	·9764	·9766	·9764	·9762	·9760	·9757	·9753	·9748	·9744	·9742	·9736	·9728	·9721	·9710	·9713	·9736
17	·9713	·9712	·9716	·9720	·9729	·9732	·9736	·9738	·9739	·9741	·9741	·9739	·9730	·9725	·9730	·9733	·9736	·9734	·9738	·9738	·9744	·9751	·9761	·9762	·9763	·9736
18	·9763	·9760	·9756	·9751	·9743	·9734	·9715	·9700	·9686	·9674	·9669	·9664	·9656	·9648	·9643	·9641	·9655	·9660	·9660	·9672	·9680	·9687	·9692	·9691	·9691	·9690
19	·9691	·9686	·9683	·9676	·9676	·9675	·9679	·9681	·9690	·9696	·9703	·9705	·9710	·9714	·9715	·9722	·9721	·9717	·9717	·9718	·9711	·9706	·9702	·9694	·9682	·9699
20	·9682	·9674	·9661	·9647	·9638	·9618	·9608	·9605	·9600	·9598	·9595	·9591	·9589	·9593	·9603	·9610	·9621	·9632	·9640	·9643	·9650	·9657	·9659	·9660	·9656	·9628
21	·9656	·9651	·9651	·9649	·9646	·9633	·9635	·9632	·9633	·9636	·9640	·9643	·9646	·9653	·9660	·9670	·9677	·9686	·9693	·9701	·9705	·9706	·9716	·9719	·9724	·9665
22	·9724	·9730	·9736	·9743	·9747	·9747	·9748	·9749	·9752	·9749	·9742	·9739	·9736	·9728	·9711	·9708	·9702	·9704	·9701	·9704	·9712	·9719	·9733	·9742	·9758	·9730
23	·9758	·9770	·9786	·9798	·9811	·9822	·9832	·9838	·9851	·9862	·9872	·9872	·9869	·9869	·9867	·9866	·9865	·9858	·9852	·9842	·9828	·9809	·9793	·9772	·9755	·9832
24	·9755	·9729	·9709	·9683	·9665	·9641	·9621	·9603	·9588	·9585	·9574	·9563	·9556	·9535	·9539	·9550	·9561	·9564	·9585	·9602	·9616	·9617	·9619	·9624	·9626	·9609
25	·9626	·9627	·9627	·9628	·9627	·9626	·9625	·9626	·9633	·9641	·9642	·9642	·9643	·9640	·9638	·9638	·9639	·9638	·9638	·9642	·9648	·9660	·9675	·9687	·9696	·9641
26	·9696	·9706	·9712	·9712	·9715	·9714	·9714	·9714	·9723	·9726	·9727	·9723	·9714	·9706	·9705	·9698	·9696	·9694	·9698	·9701	·9706	·9715	·9723	·9730	·9734	·9712
27	·9734	·9736	·9748	·9757	·9764	·9768	·9779	·9785	·9796	·9804	·9806	·9816	·9815	·9816	·9825	·9831	·9837	·9841	·9844	·9846	·9850	·9851	·9849	·9848	·9844	·9808
28	·9844	·9838	·9842	·9842	·9840	·9836	·9833	·9828	·9829	·9824	·9814	·9805	·9796	·9786	·9788	·9799	·9801	·9805	·9810	·9817	·9829	·9834	·9840	·9846	·9846	·9822
29	·9846	·9851	·9854	·9858	·9860	·9860	·9863	·9862	·9865	·9866	·9859	·9855	·9853	·9850	·9851	·9850	·9850	·9849	·9847	·9842	·9839	·9829	·9825	·9818	·9808	·9849
30	·9808	·9804	·9807	·9810	·9814	·9817	·9824	·9834	·9843	·9853	·9860	·9868	·9872	·9876	·9878	·9879	·9887	·9891	·9903	·9911	·9913	·9920	·9917	·9919	·9923	·9865
31	·9923	·9930	·9930	·9930	·9932	·9933	·9936	·9938	·9936	·9936	·9946	·9953	·9950	·9948	·9951	·9955	·9962	·9965	·9972	·9976	·9975	·9977	·9974	·9980	·9979	·9951
Mean...	0·9 7252	0·9 7242	0·9 7244	0·9 7235	0·9 7224	0·9 7204	0·9 7207	0·9 7203	0·9 7227	0·9 7252	0·9 7254	0·9 7244	0·9 7215	0·9 7185	0·9 7177	0·9 7184	0·9 7199	0·9 7204	0·9 7225	0·9 7242	0·9 7266	0·9 7279	0·9 7289	0·9 7287	0·9 7283	0·9 7232
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(23794—24.) Wt. 41466—310. 375. 7/12. D & S. G. 30. Sch. 9.

ESKDALEMUIR. TABLE III.—WIND.—VELOCITY IN METRES PER SECOND, DEDUCED FROM THE RECORDS OF THE PRESSURE-TUBE ANEMOMETER.* DECEMBER, 1911.

Days.	1. D.	1. V.	2. D.	2. V.	3. D.	3. V.	4. D.	4. V.	5. D.	5. V.	6. D.	6. V.	7. D.	7. V.	8. D.	8. V.	9. D.	9. V.	10. D.	10. V.	11. D.	11. V.	Noon. D.	Noon. V.
1	—	6·3	—	4·9	—	6·7	—	7·2	—	6·7	—	6·7	—	7·6	—	6·7	—	6·7	—	7·6	—	8·9	—	9·8
2	—	11·6	—	7·6	—	6·7	—	4·5	—	4·0	—	3·1	—	3·1	—	2·7	—	0·9	—	0·0	—	0·0	—	4·9
3	—	7·2	—	5·8	—	3·1	—	2·7	—	1·3	—	0·5	—	0·5	—	4·9	—	4·0	—	3·6	—	5·4	—	6·7
4	—	3·1	—	3·1	—	3·1	—	3·1	—	0·9	—	0·5	—	0·5	—	0·5	—	0·5	—	0·9	—	0·5	—	0·0
5	—	7·6	—	7·6	—	10·7	—	10·7	—	9·4	—	7·2	—	6·3	—	6·3	—	10·7	—	9·8	—	11·2	—	11·6
6	—	6·3	—	6·7	—	6·7	—	4·0	—	5·4	—	4·9	—	2·7	—	3·6	—	3·1	—	3·1	—	1·8	—	2·2
7	—	9·8	—	14·3	—	14·8	—	11·2	—	4·5	—	5·8	—	8·1	—	4·9	—	1·8	—	4·0	—	5·8	—	5·4
8	—	1·8	—	2·7	—	1·8	—	2·2	—	0·9	—	0·5	—	1·3	—	1·8	—	3·1	—	4·9	—	5·8	—	6·7
9	—	2·2	—	0·0	—	0·0	—	0·0	—	0·0	—	1·8	—	3·1	—	3·1	—	6·3	—	5·4	—	8·9	—	8·1
10	—	5·4	—	5·8	—	5·8	—	5·4	—	3·6	—	5·4	—	3·6	—	1·8	—	2·7	—	0·9	—	6·3	—	6·3
11	—	1·3	—	3·1	—	3·1	—	3·1	—	3·1	—	3·1	—	8·1	—	8·9	—	10·3	—	12·1	—	11·2	—	11·2
12	—	6·3	—	5·8	—	5·4	—	8·5	—	6·3	—	5·8	—	7·2	—	6·7	—	6·3	—	6·3	—	5·4	—	5·4
13	—	4·5	—	3·1	—	3·1	—	0·5	—	0·9	—	0·9	—	3·1	—	6·7	—	10·3	—	11·2	—	10·7	—	13·4
14	—	5·8	—	6·7	—	6·3	—	3·6	—	1·3	—	2·7	—	3·1	—	1·3	—	0·0	—	0·0	—	0·5	—	1·3
15	—	4·5	—	5·8	—	8·9	—	8·5	—	10·3	—	10·3	—	10·7	—	11·2	—	12·1	—	9·4	—	7·2	—	6·7
16	—	8·9	—	8·5	—	8·1	—	8·5	—	6·7	—	8·5	—	7·6	—	8·1	—	8·1	—	6·3	—	6·7	—	5·4
17	—	12·1	—	13·0	—	13·4	—	13·4	—	12·1	—	10·3	—	9·8	—	9·8	—	10·7	—	7·2	—	7·2	—	9·8
18	—	7·6	—	6·7	—	4·0	—	5·8	—	5·8	—	7·2	—	8·9	—	9·4	—	13·0	—	14·3	—	14·3	—	14·8
19	—	7·6	—	7·2	—	7·2	—	10·7	—	11·6	—	10·3	—	11·6	—	10·3	—	11·2	—	12·5	—	12·1	—	12·1
20	—	5·8	—	4·9	—	6·3	—	6·3	—	7·2	—	6·3	—	4·9	—	3·1	—	2·7	—	1·3	—	2·7	—	2·7
21	—	2·2	—	2·2	—	1·3	—	2·2	—	1·8	—	0·5	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	0·5
22	—	5·8	—	5·4	—	4·0	—	2·2	—	2·7	—	5·8	—	2·2	—	4·5	—	5·8	—	2·2	—	2·7	—	3·1
23	—	3·6	—	3·1	—	3·1	—	2·7	—	3·1	—	3·1	—	3·6	—	3·1	—	3·1	—	1·8	—	1·3	—	3·6
24	—	5·8	—	5·4	—	7·2	—	7·2	—	8·1	—	8·9	—	12·1	—	15·7	—	13·4	—	13·9	—	13·0	—	13·4
25	—	7·6	—	6·3	—	2·2	—	0·9	—	1·3	—	0·9	—	0·5	—	0·5	—	0·5	—	0·9	—	0·5	—	3·1
26	—	4·0	—	4·0	—	3·6	—	4·9	—	5·8	—	7·2	—	8·1	—	6·3	—	6·7	—	6·7	—	6·3	—	5·4
27	—	4·9	—	4·5	—	1·8	—	4·0	—	6·3	—	4·0	—	5·4	—	3·1	—	2·7	—	3·6	—	0·9	—	0·0
28	—	4·0	—	3·6	—	3·1	—	1·8	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	3·6	—	10·3	—	12·5
29	—	0·5	—	0·5	—	0·5	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·0	—	1·3	—	4·9
30	—	11·2	—	10·3	—	6·7	—	7·6	—	8·9	—	7·2	—	5·8	—	4·9	—	4·9	—	3·6	—	4·9	—	6·7
31	—	2·2	—	2·7	—	5·4	—	7·6	—	6·7	—	7·2	—	5·8	—	5·8	—	7·6	—	6·3	—	4·5	—	5·4
Mean ...	—	5·7	—	5·5	—	5·3	—	5·2	—	4·8	—	4·8	—	5·1	—	5·1	—	5·5	—	5·3	—	5·8	—	6·6
Normals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* The Pressure Tube Anemometer, from which these wind velocities were obtained, does not record the direction of the wind.

13. D.	13. V.	14. D.	14. V.	15. D.	15. V.	16. D.	16. V.	17. D.	17. V.	18. D.	18. V.	19. D.	19. V.	20. D.	20. V.	21. D.	21. V.	22. D.	22. V.	23. D.	23. V.	Midt. D.	Midt. V.	Mean. (Day.) V.	
—	11·2	—	9·8	—	8·5	—	9·8	—	8·5	—	8·5	—	10·7	—	12·5	—	9·4	—	10·3	—	10·7	—	13·0	8·7	1
—	7·6	—	9·4	—	9·8	—	10·3	—	11·2	—	10·3	—	11·2	—	12·5	—	13·4	—	15·7	—	12·1	—	10·7	7·6	2
—	7·2	—	5·8	—	4·9	—	3·1	—	3·1	—	1·3	—	1·3	—	0·5	—	1·3	—	3·1	—	3·1	—	3·1	3·5	3
—	0·5	—	1·8	—	2·2	—	1·8	—	1·3	—	3·1	—	1·3	—	3·1	—	3·6	—	4·9	—	6·3	—	6·7	2·2	4
—	11·2	—	9·4	—	8·9	—	9·8	—	9·4	—	7·6	—	8·1	—	7·6	—	8·1	—	9·8	—	9·8	—	8·1	9·0	5
—	4·0	—	5·4	—	5·8	—	4·5	—	4·0	—	6·3	—	7·2	—	8·1	—	9·8	—	10·3	—	11·2	—	11·6	5·8	6
—	7·2	—	4·0	—	2·7	—	3·1	—	3·6	—	3·6	—	4·5	—	4·0	—	4·5	—	4·9	—	4·5	—	3·1	5·8	7
—	7·2	—	6·3	—	7·2	—	8·5	—	8·1	—	6·7	—	4·0	—	5·4	—	5·4	—	5·4	—	5·4	—	4·0	4·5	8
—	5·8	—	7·2	—	5·8	—	6·7	—	7·2	—	5·4	—	8·5	—	5·8	—	2·7	—	3·1	—	3·1	—	7·2	4·5	9
—	7·6	—	10·7	—	10·3	—	9·4	—	4·0	—	6·3	—	6·7	—	6·7	—	7·2	—	5·8	—	2·2	—	2·2	5·5	10
—	9·8	—	11·2	—	8·9	—	5·8	—	7·2	—	7·6	—	10·3	—	9·8	—	8·5	—	8·1	—	7·6	—	8·5	7·6	11
—	6·3	—	7·6	—	8·1	—	9·8	—	9·4	—	7·6	—	7·6	—	6·3	—	4·9	—	3·1	—	3·6	—	3·6	6·4	12
—	10·7	—	14·3	—	14·8	—	13·0	—	12·5	—	12·1	—	9·8	—	11·2	—	9·4	—	8·1	—	7·6	—	6·7	8·3	13
—	1·8	—	1·8	—	1·3	—	0·9	—	0·9	—	0·9	—	0·9	—	0·9	—	0·5	—	0·5	—	1·3	—	3·6	2·0	14
—	4·9	—	3·1	—	3·1	—	1·8	—	0·9	—	4·0	—	5·4	—	8·1	—	8·1	—	9·4	—	9·4	—	10·3	7·3	15
—	4·5	—	4·0	—	4·9	—	5·4	—	6·7	—	4·0	—	6·3	—	5·4	—	7·2	—	6·7	—	9·8	—	9·8	6·9	16
—	13·4	—	14·3	—	11·2	—	9·8	—	9·8	—	11·2	—	9·8	—	12·5	—	12·5	—	11·6	—	9·8	—	11·2	11·1	17
—	13·0	—	13·0	—	10·3	—	14·3	—	10·3	—	9·8	—	11·6	—	10·7	—	9·4	—	8·5	—	10·3	—	11·2	10·2	18
—	12·1	—	10·7	—	11·2	—	10·3	—	10·3	—	13·0	—	11·2	—	9·8	—	8·1	—	5·8	—	6·3	—	6·7	10·0	19
—	8·5	—	6·7	—	7·2	—	8·5	—	6·7	—	8·9	—	8·9	—	8·9	—	6·7	—	6·3	—	7·2	—	4·9	6·0	20
—	0·5	—	0·5	—	0·5	—	2·7	—	2·7	—	4·5	—	3·6	—	4·0	—	6·3	—	6·3	—	6·7	—	6·7	2·5	21
—	2·2	—	1·3	—	0·9	—	1·3	—	1·3	—	3·1	—	2·7	—	3·6	—	3·1	—	3·6	—	3·1	—	1·3	3·1	22
—	4·5	—	5·4	—	5·4	—	4·5	—	6·3	—	5·8	—	2·7	—	0·9	—	2·7	—	4·9	—	5·8	—	5·4	3·7	23
—	15·2	—	15·7	—	13·0	—	10·7	—	14·3	—	15·7	—	13·4	—	12·8	—	11·2	—	10·7	—	8·1	—	8·9	11·4	24
—	3·1	—	6·3	—	4·0	—	3·6	—	2·7	—	2·7	—	2·7	—	2·7	—	2·7	—	3·1	—	3·1	—	3·1	2·7	25
—	4·5	—	3·6	—	2·7	—	2·2	—	1·3	—	1·3	—	1·3	—	2·7	—	4·9	—	5·4	—	4·0	—	5·4	4·5	26
—	0·0	—	0·9	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	2·2	—	3·6	2·4	27
—	14·3	—	15·7	—	12·1	—	10·7	—	8·9	—	8·1	—	5·8	—	4·9	—	1·8	—	0·9	—	1·3	—	0·5	5·4	28
—	3·6	—	4·5	—	6·7	—	6·7	—	6·3	—	6·7	—	8·9	—	11·2	—	12·1	—	11·6	—	9·8	—	10·3	4·6	29
—	2·7	—	2·7	—	3·6	—	5·4	—	6·3	—	2·7	—	3·1	—	2·2	—	1·8	—	1·3	—	1·8	—	3·1	5·0	30
—	6·3	—	4·5	—	4·5	—	4·5	—	4·9	—	4·0	—	3·1	—	3·1	—	4·0	—	3·6	—	3·1	—	2·7	4·8	31
—	6·8	—	7·0	—	6·5	—	6·5	—	6·2	—	6·3	—	6·3	—	6·4	—	6·2	—	6·3	—	6·1	—	6·4	5·9	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

ESKDALEMUIR. TABLE IV.—RAINFALL IN MILLIMETRES. DECEMBER, 1911.

Days.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Day.*
1	1·27	0·51	0·25	0·76	1·02	1·02	0·51	0·51	—	—	—	—	—	—	—	—	—	—	—	—	0·51	0·51	1·52	1·78	10·17
2	1·02	—	—	—	—	—	—	—	—	—	0·51	0·51	1·52	1·27	1·27	1·27	2·54	0·25	1·27	2·03	2·54	1·02	0·51	—	17·53
3	—	—	—	—	—	—	—	—	—	—	—	—	2·03	1·02	—	—	—	—	—	—	—	1·52	2·29	1·02	7·88
4	—	—	—	—	—	—	—	—	—	0·51	0·25	1·27	1·02	—	—	—	—	—	—	—	—	—	—	—	3·05
5	0·51	1·52	0·76	—	—	—	—	—	—	—	0·51	1·02	0·76	1·27	—	—	—	—	—	—	—	—	—	—	6·35
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·27	1·78	3·05
7	1·78	1·78	1·27	2·79	2·54	0·76	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	0·25	—	—	—	11·67
8	—	—	—	—	—	—	0·51	—	—	—	—	—	—	—	—	—	—	0·51	1·02	0·51	0·25	0·25	—	—	3·05
9	—	0·25	—	—	—	—	—	—	1·02	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·51	—	5·84
10	0·25	0·51	0·76	0·25	0·51	0·51	—	—	1·02	0·76	0·76	0·76	1·02	1·52	3·56	0·25	1·52	0·25	—	0·25	—	0·25	1·02	0·25	15·98
11	0·25	0·76	0·25	0·25	0·51	1·02	0·51	0·25	—	0·76	0·76	0·51	—	—	—	—	0·25	—	—	—	—	—	—	—	6·08
12	—	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25
13	—	—	—	—	—	0·76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
14	—	—	—	—	—	—	—	—	0·25	—	0·51	—	—	—	—	—	—	—	—	—	—	—	—	0·25	1·01
15	0·25	—	—	1·02	2·54	1·78	1·27	0·51	0·51	—	—	—	—	—	0·51	0·25	—	1·02	1·02	0·51	0·51	0·25	—	0·25	12·20
16	—	0·25	—	—	—	—	—	—	—	—	—	—	—	0·76	1·78	1·52	1·02	0·51	0·25	1·27	0·76	0·76	1·52	3·05	13·45
17	0·76	—	—	—	—	—	0·25	0·51	—	—	—	0·76	—	0·51	—	—	—	—	—	1·78	0·76	—	—	—	5·33
18	—	—	—	—	—	0·51	1·52	0·51	1·27	1·27	3·05	3·05	5·84	4·57	5·08	2·29	1·52	0·76	0·25	—	—	—	—	—	31·49
19	—	—	—	0·76	—	0·51	—	—	0·51	—	—	—	—	0·25	—	—	—	—	—	—	—	—	—	—	2·03
20	—	—	—	0·76	—	1·02	2·29	2·03	3·05	2·79	1·78	1·02	1·02	0·25	—	—	—	—	—	—	—	—	—	—	16·01
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	—	—	0·25
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25
24	2·54	0·76	—	0·51	1·52	1·27	4·82	1·52	2·29	—	1·78	0·51	2·03	1·78	0·25	1·78	—	0·25	0·25	0·25	—	—	—	—	24·11
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·25	—	—	—	0·50
26	—	—	0·51	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·76
27	0·25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·25	0·51	0·25	0·25	0·51	2·02
28	0·25	0·51	0·25	—	—	0·25	—	0·76	0·76	0·51	0·51	—	0·25	—	1·02	0·25	0·76	0·76	—	—	—	—	—	—	6·84
29	—	—	—	—	0·51	1·02	0·76	0·51	0·51	0·25	1·02	0·51	0·76	0·25	0·51	0·51	0·25	0·76	0·51	—	0·25	0·25	—	1·27	10·41
30	1·78	2·54	1·02	0·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·85
31	—	—	—	—	—	—	—	—	0·25	—	—	—	—	—	—	—	0·25	—	—	—	—	0·51	0·25	0·25	1·51
Sum ...	10·91	9·39	5·07	7·86	9·15	10·68	12·44	7·11	11·44	6·85	11·69	9·92	16·25	13·45	13·98	8·12	8·36	5·32	4·57	7·10	6·59	5·82	9·14	10·66	225·68
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the daily totals.

ESKDALEMUIR. TABLE V.—DURATION OF BRIGHT SUNSHINE IN HOURS. DECEMBER, 1911.

Days.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	Day.	Remarks.
1	—	—	—	—	—	—	—	·1	·9	·4	—	—	—	—	—	—	—	1·4	Dull throughout with ≋⁰.
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dull. with ≋⁰. Air very humid.
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✳² mid-day, changing to ●; ⊍ 20h.–22h.
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⊍ occasionally. [30m.
6	—	—	—	—	—	·5	·9	·7	·2	·2	—	—	—	—	—	—	—	2·5	
7	—	—	—	—	—	·5	1·0	1·0	1·0	·7	·3	—	—	—	—	—	—	4·5	
8	—	—	—	—	—	·1	·1	·4	—	—	—	—	—	—	—	—	—	0·6	
9	—	—	—	—	—	—	·1	·8	1·0	·8	·4	·1	—	—	—	—	—	3·2	✳² early morning; ⌴ evening.
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	0·1	Dull A.M.; finer P.M.
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	—	—	—	—	—	—	·1	—	—	—	—	—	—	—	—	—	—	0·1	
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	[9h. 40m.
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maximum temperature of month 283°·4 at
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	·1	·2	—	—	—	—	—	—	—	—	—	—	0·3	☾.
23	—	—	—	—	—	·1	·6	·8	·6	—	—	—	—	—	—	—	—	2·1	☽ 9h.
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	[ature of month 268°·6 at 8h. 50m.
25	—	—	—	—	—	—	—	—	·3	·4	·1	—	—	—	—	—	—	0·8	✳ and sleet evening. Minimum temper-
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	·2	·3	—	—	—	—	—	—	—	—	—	—	0·5	⊕ 11h. to 15h.
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⊍ 21h. 30m. to 22h. 30m.
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Air very humid.
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	⊍ 18h. 30m.
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Air very humid.
	—	—	—	—	—	1·5	3·3	3·8	4·0	2·6	0·8	0·1	—	—	—	—	—	16·1	Total.
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Normals.

TABLE VI.

ESKDALEMUIR. TEMPERATURE† IN DEGREES ABSOLUTE.—DRY-BULB. DECEMBER, 1911.

First figure (2 or 3) omitted; in Table I. the 3 is inserted.

Days.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Mean.
1	80°·3	80°·2	80°·0	80°·1	79°·7	79°·7	79°·7	79°·9	79°·7	80°·0	80°·2	80°·8	81°·4	81°·1	80°·8	80°·2	80°·2	80°·6	80°·2	80°·0	80°·3	79°·7	80°·6	80°·6	80°·8	80°·3
2	80·8	81·0	80·6	80·4	80·2	79·2	78·8	78·1	78·8	78·1	77·8	79·0	80·2	81·1	81·4	81·5	81·5	81·5	81·8	81·7	81·5	81·8	82·0	81·5	81·4	80·4
3	81·4	80·1	78·9	77·0	76·7	76·7	75·7	75·9	78·9	78·6	78·5	78·8	80·1	78·9	79·0	79·4	78·5	78·4	76·4	76·1	75·9	76·8	76·8	75·7	75·2	77·8
4	75·2	75·1	75·2	75·2	75·0	74·6	74·1	74·1	73·6	74·3	74·2	73·7	74·0	74·1	74·2	74·1	74·3	74·1	73·8	73·7	73·8	73·3	73·7	74·5	75·2	74·2
5	75·2	74·7	74·6	76·2	77·0	77·3	77·8	78·2	78·5	79·1	79·0	78·7	78·1	78·4	78·6	78·0	77·5	77·1	76·8	76·7	76·5	76·2	76·0	75·8	75·4	77·2
6	75·4	75·2	74·8	75·7	74·7	74·5	74·3	73·6	73·4	72·6	73·8	74·9	74·9	76·7	76·3	76·3	75·6	74·6	74·8	74·8	75·1	75·7	76·2	76·2	76·0	75·0
7	76·0	75·6	76·4	76·6	76·0	75·4	75·2	75·4	75·0	74·1	75·7	76·2	76·3	75·7	75·3	75·3	75·5	75·3	74·6	75·0	74·5	74·9	74·7	74·6	74·6	75·4
8	74·6	74·2	73·6	73·8	74·0	74·0	74·1	74·6	74·1	74·1	74·3	75·1	75·3	75·2	75·7	75·8	76·1	76·2	75·8	74·2	74·1	74·3	74·6	74·6	74·5	74·7
9	74·5	74·4	74·3	73·7	73·7	73·6	73·6	73·4	74·2	74·8	75·2	75·7	75·9	75·9	75·6	75·4	74·5	74·1	73·8	75·2	75·2	72·5	73·2	74·8	75·3	74·5
10	75·3	74·2	74·5	74·6	74·8	75·2	75·3	75·7	75·8	76·0	76·4	78·2	78·1	77·9	78·5	77·5	76·9	77·4	78·2	77·9	77·9	78·5	78·5	78·7	78·4	76·8
11	78·4	78·4	78·4	77·7	77·5	76·3	75·2	76·0	76·7	77·0	76·8	77·0	76·9	76·8	76·8	77·4	76·8	76·3	76·2	76·0	76·4	76·7	76·8	76·7	76·6	76·8
12	76·6	76·3	76·2	76·3	76·8	77·1	77·2	77·7	77·6	77·8	78·2	78·4	78·7	79·4	79·5	79·6	79·7	79·5	79·5	79·6	79·3	78·9	78·7	78·4	77·9	78·2
13	77·9	78·1	77·7	77·4	76·9	76·5	75·3	76·0	76·4	76·5	76·9	77·5	78·2	78·4	78·5	78·7	78·7	78·7	78·9	78·9	79·3	79·1	79·1	78·6	77·9	77·8
14	77·9	77·4	77·9	77·9	77·5	77·7	78·2	77·9	77·4	77·0	77·0	77·1	77·2	77·5	77·6	77·1	76·1	74·6	74·1	73·1	74·7	75·3	75·8	76·5	77·5	76·7
15	77·5	77·0	77·5	78·5	78·5	78·5	78·2	78·7	79·1	79·2	79·4	79·4	79·3	79·2	79·3	79·2	79·3	79·4	78·9	78·4	77·8	77·5	77·6	77·4	77·4	78·5
16	77·4	77·4	77·5	77·5	77·6	77·5	77·5	77·5	77·5	77·6	77·8	77·9	78·3	78·3	78·3	78·6	79·0	79·3	79·0	79·5	79·6	79·9	80·1	81·1	81·3	78·5
17	81·3	81·9	82·0	81·7	81·4	81·2	81·2	81·0	81·0	81·2	80·8	81·3	81·1	82·0	81·8	81·5	81·4	81·5	81·4	81·4	80·9	81·2	81·3	81·2	81·3	81·4
18	81·3	80·8	81·2	80·1	80·4	80·8	81·2	81·4	82·0	82·9	83·3	82·7	82·4	82·1	81·9	82·0	81·2	80·0	80·4	80·7	80·3	79·8	79·8	80·2	80·3	81·2
19	80·3	80·1	80·1	79·6	80·0	79·6	79·6	79·7	79·3	79·7	80·1	80·2	80·4	80·3	80·7	80·3	80·2	80·2	80·4	79·9	79·7	79·7	79·2	78·0	78·6	79·9
20	78·6	78·9	78·8	78·6	79·1	79·3	79·8	79·9	80·0	80·0	79·6	79·0	79·0	78·8	79·3	79·2	78·9	79·2	79·1	78·5	78·2	77·7	77·9	78·1	77·4	79·0
21	77·4	75·4	76·9	77·3	77·4	77·1	76·3	75·7	76·2	75·2	75·2	75·1	75·4	75·9	75·8	76·1	77·2	76·5	76·9	76·5	77·0	77·1	77·0	76·9	76·8	76·4
22	76·8	76·3	75·2	75·2	74·3	74·1	74·6	74·6	74·6	74·8	75·0	75·2	75·7	75·7	75·7	75·2	74·2	73·5	73·8	73·6	74·7	74·8	75·2	75·2	73·2	74·8
23	73·2	74·6	74·5	75·5	74·7	74·1	72·9	72·4	73·7	73·9	74·7	75·3	76·8	76·7	76·4	76·5	76·2	76·5	75·5	75·2	75·4	75·7	75·5	75·2	74·6	75·0
24	74·6	75·0	76·0	77·4	78·0	78·6	79·2	79·8	81·1	79·8	80·0	79·1	79·0	78·6	76·8	76·9	77·4	77·9	77·0	76·8	76·7	75·8	75·7	75·2	74·3	77·6
25	74·3	74·8	74·7	73·0	72·4	71·0	71·0	69·8	69·5	69·3	69·9	71·3	74·0	74·7	75·3	74·7	73·8	73·4	74·1	74·1	74·1	74·2	74·7	75·1	74·9	73·1
26	74·9	74·7	74·5	74·2	74·6	74·7	75·8	76·0	76·3	76·5	76·9	76·9	77·2	77·4	77·5	77·4	77·0	76·5	76·3	76·7	75·9	76·3	76·8	76·7	77·0	76·2
27	77·0	76·7	76·4	75·8	76·4	76·0	76·3	75·9	76·2	75·3	76·3	76·8	77·4	77·8	76·9	76·2	75·6	75·3	75·2	74·9	75·2	75·2	75·6	76·4	76·3	76·1
28	76·3	76·4	76·6	76·6	76·8	76·9	77·4	77·4	78·1	78·3	78·6	81·4	82·0	82·0	82·4	81·7	81·3	81·3	82·0	82·4	82·1	80·0	79·1	77·8	77·5	79·4
29	77·5	76·4	76·3	76·3	76·3	76·5	77·2	77·4	77·9	77·9	78·1	78·5	80·4	80·1	79·6	79·8	79·8	79·8	79·9	79·8	79·7	79·6	79·6	79·2	79·5	78·5
30	79·5	79·5	79·7	79·7	79·7	79·7	79·3	79·5	78·4	78·2	78·7	79·1	79·0	79·5	79·7	79·1	79·1	79·2	79·2	79·0	77·3	77·2	77·9	77·8	77·8	78·9
31	77·8	78·5	78·6	78·7	79·1	78·9	78·8	79·1	78·7	78·7	78·9	79·1	79·3	79·2	79·2	79·1	79·1	79·1	79·2	79·2	79·2	79·2	79·3	79·4	79·5	79·0
Mean ...	77·3	77·1	77·1	77·1	77·0	76·8	76·8	76·8	77·1	77·0	77·3	77·7	78·1	78·2	78·2	78·1	77·8	77·6	77·5	77·4	77·4	77·2	77·4	77·4	77·2	77·4
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE VII.

ESKDALEMUIR. RELATIVE HUMIDITY IN PER-CENTAGES (SATURATION=100). DECEMBER, 1911.

1	93	94	96	94	96	94	95	97	98	94	95	93	87	83	85	85	82	80	80	88	85	92	83	95	96	90·3
2	96	97	96	97	92	95	97	98	98	98	95	92	98	97	97	96	97	97	94	95	98	96	98	97	89	96·2
3	89	85	86	89	86	92	93	96	98	98	93	88	90	88	94	90	92	93	93	93	95	96	94	90	91	91·7
4	91	93	91	91	89	92	92	91	92	93	88	89	90	90	89	90	90	91	96	97	96	92	92	82	78	90·9
5	78	88	92	93	91	92	93	94	92	79	80	88	91	93	92	92	91	90	90	87	87	85	86	85	89	89·0
6	89	88	88	83	83	85	85	96	84	82	85	86	86	89	86	84	85	86	87	84	84	84	82	87	89	85·7
7	89	92	90	89	91	94	88	79	77	80	75	76	77	78	81	89	84	86	88	89	90	89	88	90	92	85·5
8	92	90	89	92	92	92	91	92	88	88	90	86	86	85	82	82	83	83	87	88	89	87	88	87	85	87·8
9	85	84	85	94	92	92	90	92	87	87	87	83	82	82	85	79	83	80	85	73	74	82	84	88	86	84·8
10	86	89	93	91	95	92	94	92	92	96	96	94	91	87	86	88	84	87	91	93	92	88	93	96	94	91·3
11	94	94	87	94	91	93	98	90	88	91	85	79	84	85	80	76	84	85	90	87	88	87	87	88	87	87·5
12	87	89	85	88	91	89	91	93	91	92	90	89	91	90	93	92	91	92	93	93	90	89	90	89	91	90·5
13	91	91	88	86	87	85	83	85	83	86	85	83	76	78	78	84	84	86	86	82	81	83	83	85	85	84·0
14	85	85	86	86	89	89	88	85	86	90	92	92	95	92	93	92	95	91	90	87	91	89	89	88	89	89·5
15	89	90	87	86	88	87	88	85	83	87	88	87	90	90	90	92	91	91	94	95	94	93	93	94	93	89·7
16	93	94	93	92	91	92	92	93	93	91	87	85	93	90	92	94	93	96	94	93	94	95	96	94	99	92·7
17	99	98	94	94	93	91	93	93	94	90	89	87	90	90	91	92	93	93	93	93	94	91	93	93	91	92·3
18	91	87	87	86	90	87	88	96	97	91	89	91	92	96	99	98	89	90	95	95	94	95	94	93	93	92·2
19	93	90	86	85	88	91	93	91	96	94	94	94	97	93	93	91	92	92	90	89	84	83	83	85	87	90·1
20	87	87	89	92	91	96	93	94	94	94	94	88	93	90	84	84	82	83	83	79	82	87	86	90	86	88·4
21	86	90	94	93	90	92	93	92	94	100	98	95	96	98	97	96	85	87	92	96	94	92	91	92	88	93·1
22	88	88	88	84	92	88	92	92	91	89	86	90	90	91	92	90	88	89	86	86	81	82	82	83	83	87·8
23	83	81	73	77	80	81	85	82	90	94	74	86	85	85	86	87	93	91	91	88	89	90	85	83	90	85·1
24	90	91	93	91	93	93	93	96	95	89	80	85	83	91	86	89	91	80	84	85	79	83	78	81	76	87·2
25	76	81	79	81	85	78	91	75	74	69	72	76	81	76	83	81	86	91	81	88	88	89	89	87	89	81·8
26	89	90	94	93	92	96	92	93	91	94	92	92	90	89	90	91	92	93	92	95	89	85	85	87	89	91·1
27	89	91	92	91	84	86	85	88	85	88	85	85	82	78	90	91	91	91	92	93	92	94	94	96	97	89·0
28	97	97	96	96	95	94	96	99	98	98	99	98	99	99	93	95	95	95	93	89	91	90	91	94	90	95·2
29	90	93	93	94	96	97	96	99	100	99	96	97	98	96	99	98	98	97	98	97	93	96	96	99	96	96·6
30	96	95	94	93	93	86	85	85	90	89	90	86	92	88	86	93	92	93	91	92	92	94	94	98	96	91·1
31	96	96	97	97	94	94	97	93	97	96	93	92	92	93	95	95	97	99	96	98	98	98	99	98	97	95·9
Mean ...	89·6	90·3	89·7	90·1	90·3	90·5	91·3	91·2	90·8	90·5	88·5	88·1	89·3	88·7	89·3	89·5	89·5	89·6	90·2	89·9	89·3	89·5	89·2	90·1	89·7	89·8
Normals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

YEARLY VALUES.

Hourly Means of Pressure, Temperature, Relative Humidity, and Wind Velocity, and Hourly Totals of Rainfall, and Sunshine, for the Year 1911, together with the corresponding average values, for the following three Observatories :—Valencia, Kew, and Eskdalemuir.

Observatories.	Geographical Position.		Height of Barometer Cistern above Mean Sea Level.	Height of Thermometers above Ground.	Rain-gauge.		Height of Sunshine Recorder above Ground.
	Latitude.	Longitude.			Height above Ground.	Height above Mean Sea Level.	
Valencia	51° 56′ N.	10° 15′ W.	13·7 metres.	1·2 metres.	0·6 metres.	9·8 metres.	12·8 metres.
Kew	51° 28′ N.	0° 19′ W.	10·4 „	3·0 „	0·5 „	6·1 „	14·3 „
Eskdalemuir ...	55° 19′ N.	3° 12′ W.	237·1 „	0·8 „	0·3 „	243·8 „	1·5 „

PRESSURE.—The Pressure is given in Megadynes (1 in. = 0·0338626 mgd. per cm²), the first figure being omitted. The values are corrected for temperature and reduced to standard gravity (Lat. 45°), but are not reduced to Mean Sea Level. (See Preface, p. xi.).

TEMPERATURE.—The Temperature is given in degrees absolute.

RELATIVE HUMIDITY.—The Relative Humidity is given in percentages (Saturation=100).

WIND VELOCITY.—The Velocity of the Wind is given in metres per second, obtained from the records of a Robinson Cup Anemometer, having cups 9 inches (0·23 metre) in diameter carried on arms measuring 2 feet (0·61 metre) from the centre of the cup to the spindle. The factor 2·2 has been used in tabulating the results. The heights of the Anemometers above the general surface of the ground are :—Valencia, 13·7 metres; Kew, 21·3 metres; Eskdalemuir, 15·2 metres.

RAINFALL.—The Rainfall is given in Millimetres, as recorded by a Beckley self-registering gauge.

SUNSHINE.—The Sunshine table gives the total duration of Bright Sunshine in decimal fractions of an hour for each hour of the day, as recorded by a Campbell-Stokes recorder.

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Hourly Means of Pressure, Temperature, Relative Humidity, and Wind Velocity, and Hourly Totals of Rainfall and Sunshine, for the Year.

VALENCIA.

1911.	0	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Pressure	1·01372	1·01360	1·01339	1·01325	1·01308	1·01303	1·01308	1·01324	1·01342	1·01360	1·01373	1·01380
„ Normal, 1871–1910 ...	*1·01300*	*1·01284*	*1·01267*	*1·01250*	*1·01234*	*1·01230*	*1·01239*	*1·01250*	*1·01273*	*1·01285*	*1·01301*	*1·01308*
Temperature, Dry Bulb	282·91	282·82	282·66	282·57	282·47	282·46	282·53	282·82	283·19	283·74	284·18	284·79
„ Normal, 1871–1910	*282·65*	*282·57*	*282·45*	*282·40*	*282·31*	*282·30*	*282·31*	*282·59*	*282·94*	*283·50*	*283·92*	*284·44*
Relative Humidity	86·5	86·7	87·3	87·1	87·8	87·4	87·5	86·9	85·9	83·9	82·6	80·3
„ Normal, 1886–1910	*87·1*	*87·3*	*87·5*	*87·7*	*87·8*	*87·8*	*87·7*	*87·2*	*86·0*	*84·4*	*82·8*	*81·0*
Wind Velocity	—	4·62	4·63	4·68	4·66	4·73	4·67	4·68	4·90	5·08	5·15	5·33
„ Normal, 1881–1910...	—	*5·01*	*4·96*	*4·96*	*4·92*	*4·92*	*4·92*	*5·01*	*5·14*	*5·41*	*5·54*	*5·63*
Rainfall (Yearly Total)... ...	—	70·29	72·06	63·69	77·59	75·33	74·07	69·25	82·21	53·81	41·04	33·95
„ Normal, 1871–1910	—	*63·30*	*61·85*	*65·92*	*66·83*	*67·11*	*64·51*	*66·55*	*63·91*	*62·84*	*55·71*	*50·58*
Sunshine (Yearly Amount) ...	—	—	—	—	3·2	26·0	52·9	80·6	97·05	128·5	151·4	161·2
„ Normal, 1881–1910	—	—	—	—	*0·61*	*15·06*	*39·34*	*63·32*	*89·92*	*119·34*	*139·71*	*147·10*

Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Year.
1·01370	1·01355	1·01339	1·01328	1·01324	1·01330	1·01339	1·01353	1·01365	1·01386	1·01384	1·01381	1·01372	1·01348
1·01304	*1·01289*	*1·01276*	*1·01264*	*1·01262*	*1·01262*	*1·01274*	*1·01284*	*1·01297*	*1·01308*	*1·01312*	*1·01307*	*1·01300*	*1·01278*
285·15	285·43	285·44	285·49	285·27	285·10	284·60	284·27	283·83	283·52	283·26	283·12	282·91	283·82
284·74	*284·99*	*285·04*	*285·05*	*284·87*	*284·63*	*284·18*	*283·83*	*283·45*	*283·16*	*282·93*	*282·81*	*282·64*	*283·50*
79·2	78·2	78·6	78·4	79·4	79·3	81·1	82·5	84·0	84·9	85·6	85·7	86·5	83·6
80·0	*79·2*	*78·9*	*79·0*	*79·5*	*80·2*	*81·9*	*83·3*	*84·8*	*85·7*	*86·4*	*86·8*	*87·1*	*84·2*
5·88	6·20	6·25	6·19	6·04	5·94	5·70	5·45	5·11	4·96	4·89	4·78	4·78	5·20
6·21	*6·39*	*6·44*	*6·44*	*6·25*	*6·08*	*5·77*	*5·50*	*5·23*	*5·14*	*5·05*	*5·05*	*5·05*	*5·46*
35·24	37·01	33·23	44·40	46·42	58·86	70·30	73·60	59·11	52·23	54·01	63·21	70·56	1411·47*
55·48	*51·85*	*52·85*	*53·37*	*53·22*	*56·74*	*58·17*	*58·75*	*59·49*	*57·87*	*58·98*	*60·66*	*61·60*	*1428·14*
163·2	167·4	162·9	149·4	122·2	94·55	67·4	36·9	6·2	—	—	—	—	1671·0
149·71	*149·76*	*144·30*	*130·21*	*105·53*	*78·47*	*50·67*	*23·58*	*1·90*	—	—	—	—	*1448·53*

KEW.

1911.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Pressure	1·01566	1·01551	1·01540	1·01522	1·01513	1·01513	1·01527	1·01542	1·01561	1·01564	1·01568	1·01558
„ Normal, 1871–1910 ...	*1·01422*	*1·01408*	*1·01397*	*1·01383*	*1·01375*	*1·01376*	*1·01390*	*1·01405*	*1·01424*	*1·01432*	*1·01436*	*1·01429*
Temperature, Dry Bulb	282·38	282·09	281·77	281·57	281·35	281·38	281·51	282·06	282·67	283·67	284·52	285·50
„ Normal, 1871–1910	*281·14*	*280·92*	*280·67*	*280·50*	*280·30*	*280·33*	*280·49*	*281·01*	*281·61*	*282·49*	*283·34*	*284·18*
Relative Humidity	83·3	84·3	85·6	85·8	86·6	86·0	85·5	83·2	80·9	76·9	73·6	70·2
„ Normal, 1886–1910	*86·0*	*86·4*	*87·4*	*87·7*	*88·2*	*87·7*	*87·5*	*85·4*	*83·1*	*79·6*	*76·7*	*73·1*
Wind Velocity	—	2·95	2·93	2·94	2·88	2·90	3·04	3·31	3·57	3·96	4·40	4·44
„ Normal, 1881-1910 ..	—	*2·60*	*2·60*	*2·55*	*2·55*	*2·55*	*2·73*	*2·95*	*3·26*	*3·62*	*3·89*	*4·34*
Rainfall (Yearly Total)... ..	—	31·72	24·88	31·21	22·30	27·17	15·72	20·29	34·49	19·24	15·47	18·53
„ Normal, 1871–1910	—	*24·05*	*25·22*	*25·01*	*24·78*	*27·07*	*24·88*	*24·76*	*23·41*	*23·56*	*24·20*	*21·71*
Sunshine (Yearly Amount) ...	—	—	—	—	0·5	16·2	54·4	86·4	112·7	141·7	162·5	169·0
„ Normal, 1881–1910	—	—	—	—	*0·18*	*13·16*	*43·10*	*68·41*	*93·61*	*119·29*	*140·10*	*149·69*

Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Year.
1·01536	1·01512	1·01494	1·01482	1·01482	1·01486	1·01508	1·01524	1·01553	1·01566	1·01575	1·01571	1·01566	1·01534
1·01408	*1·01385*	*1·01366*	*1·01355*	*1·01351*	*1·01355*	*7·01372*	*1·01388*	*1·01410*	*1·01424*	*1·01430*	*1·01428*	*1·01423*	*1·01398*
286·10	286·69	286·93	287·05	286·77	286·41	285·78	285·07	284·24	283·66	283·11	282·73	282·39	283·96
284·76	*285·25*	*285·45*	*285·54*	*285·24*	*284·88*	*284·24*	*283·62*	*282·81*	*282·27*	*281·85*	*281·47*	*281·14*	*282·68*
67·7	65·8	64·8	64·4	65·5	67·2	69·9	72·8	75·9	78·2	80·6	82·2	83·3	76·5
70·8	*68·9*	*67·9*	*67·9*	*69·0*	*70·9*	*73·5*	*76·3*	*79·6*	*81·6*	*83·5*	*84·6*	*86·0*	*79·3*
4·82	4·95	4·96	4·88	4·71	4·39	4·09	3·81	3·54	3·43	3·26	3·04	3·00	3·76
4·43	*4·52*	*4·47*	*4·34*	*4·16*	*3·93*	*3·62*	*3·35*	*3·13*	*3·00*	*2·86*	*2·73*	*2·64*	*3·37*
17·49	23·85	22·81	20·26	27·91	36·03	25·14	29·17	22·83	23·35	16·74	13·46	26·64	584·98*
25·55	*27·50*	*26·71*	*29·65*	*29·25*	*29·89*	*26·66*	*26·38*	*25·78*	*25·11*	*23·41*	*22·90*	*23·11*	*610·55*
173·9	168·5	166·4	142·4	120·2	95·3	73·6	34·3	2·9	—	—	—	—	1720·9
151·62	*151·91*	*146·82*	*130·04*	*103·66*	*79·72*	*53·28*	*24·32*	*1·52*	—	—	—	—	*1470·43*

* Amounts of snow or rain which cannot be distributed among the actual hours of fall are omitted from the hourly columns, but are included in the yearly total. In preparing the long-period means, however, an approximate allocation of such falls to their proper hours has been made.

HOURLY MEANS OF PRESSURE, TEMPERATURE, RELATIVE HUMIDITY, AND WIND

ESKDALEMUIR.

1911.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Pressure	0·98588	0·98569	0·98562	0·98544	0·98537	0·98532	0·98544	0·98555	0·98573	0·98579	0·98583	0·98578
" (Normal)	—	—	—	—	—	—	—	—	—	—	—	—
Temperature, Dry bulb	278·92	278·68	278·59	278·46	278·40	278·39	278·74	279·22	280·00	280·73	281·46	281·99
" " (Normal)	—	—	—	—	—	—	—	—	—	—	—	—
Relative Humidity	89·4	90·0	89·9	90·3	90·4	90·4	89·8	89·0	86·7	83·8	81·5	80·2
" (Normal) ...	—	—	—	—	—	—	—	—	—	—	—	—
Wind Velocity	—	5·00	4·99	5·01	5·10	5·02	5·01	5·28	5·66	6·08	6·66	6·91
" (Normal) ...	—	—	—	—	—	—	—	—	—	—	—	—
Rainfall (Yearly Total) ...	—	63·42	57·83	60·90	54·77	59·85	63·65	67·74	59·14	57·63	50·53	54·60
" " (Normal)	—	—	—	—	—	—	—	—	—	—	—	—
Sunshine (Yearly Amount) ...	—	—	—	—	5·5	25·2	42·8	69·8	99·7	121·4	126·9	131·4
" " (Normal)	—	—	—	—	—	—	—	—	—	—	—	—

* Amounts of snow or rain which cannot be distributed among the actual hours of fall

VELOCITY, AND HOURLY TOTALS OF RAINFALL AND SUNSHINE, FOR THE YEAR.

ESKDALEMUIR.

Noon.	13	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Year.
0·98570	0·98555	0·98542	0·98531	0·98531	0·98532	0·98550	0·98564	0·98583	0·98590	0·98597	0·98594	0·98589	0·98562
—	—	—	—	—	—	—	—	—	—	—	—	—	—
282·52	282·72	282·92	282·73	282·47	282·01	281·47	280·82	280·25	279·64	279·50	279·11	278·93	280·41
—	—	—	—	—	—	—	—	—	—	—	—	—	—
79·1	78·7	78·5	78·7	79·9	81·1	82·9	85·1	86·6	88·0	88·9	89·2	89·4	85·4
—	—	—	—	—	—	—	—	—	—	—	—	—	—
7·13	7·18	7·35	7·10	6·81	6·52	6·04	5·57	5·10	4·95	4·95	4·95	4·96	5·81
—	—	—	—	—	—	—	—	—	—	—	—	—	—
66·79	60·63	72·81	68·26	71·05	75·10	69·01	51·81	54·79	51·77	57·08	63·17	54·06	1475·04*
—	—	—	—	—	—	—	—	—	—	—	—	—	—
132·4	134·3	128·3	121·8	101·2	82·0	55·2	31·2	5·3	—	—	—	—	1414·4
—	—	—	—	—	—	—	—	—	—	—	—	—	—

are omitted from the hourly columns, but are included in the yearly total.

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